

NO  
72

SPRING.

SUMMER.

THE  
OLD

FARMER'S  
1864.

ALMANAC

BY  
ROBERT B. THOMAS



BOSTON:  
J. J. DYER & CO.

# THE ATLANTIC MONTHLY, A Magazine of Literature, Art and Politics,

IS UNIVERSALLY RECOGNIZED AS

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## THE ATLANTIC FOR 1864

will be in no wise inferior to the previous volumes, but it will be the constant aim of the publishers to advance the high standard already established for the magazine.

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TICKNOR & FIELDS, Publishers,  
135 WASHINGTON STREET, BOSTON.

NUMBER SEVENTY-TWO.

THE  
(OLD)  
**FARMER'S ALMANACK,**  
CALCULATED ON A NEW AND IMPROVED PLAN,  
FOR THE YEAR OF OUR LORD  
**1864;**

Being BISSEXTILE or LEAP YEAR, and (until July 4) 88th of American Independence.

FITTED FOR BOSTON, BUT WILL ANSWER FOR ALL THE NEW ENGLAND STATES.

Containing, besides the large number of Astronomical Calculations,  
and the Farmer's Calendar for every month in the year,  
as great a variety as any other Almanack of

NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1793,

**BY ROBERT B. THOMAS.**



Therefore I hope, as no unwelcome guest,  
At your warm fireside, when the lamps are lighted,  
To have my place, reserved among the rest,  
Nor stand as one unsought and uninvited.

LONGFELLOW.

BOSTON:  
PUBLISHED BY BREWER & TILESTON.

Sold by the Booksellers and Traders throughout New England.

[Entered according to Act of Congress, in the year 1863, by BREWER & TILESTON,  
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## TO PATRONS AND CORRESPONDENTS.

WE are under many obligations for the continued and increasing favor with which our visits are received. Nothing can so stimulate one to effort as the consciousness that whatever he may do will be taken for what it is worth, and be appreciated accordingly.

We come to you still in a plain and unpretending manner; but don't think any the less of us for that. We flatter ourselves that you'll find many a common-sense suggestion scattered through our pages. Some folks think that, when a man gets beyond his prime, he is apt to fall behind the times, and become an old foggy; but the man who is always looking about to see what there is that's new, and sifts the wheat from the chaff for the benefit of a million of readers, does n't grow old so fast; and you know the Chinese have a saying that there is a world of wisdom at the root of every gray hair. We always intend to give many times the value of what you pay for our little annual; and if you find it falls short of that, just let us know.

We owe our acknowledgments for communications, answers to problems, etc., to many friends in all parts of New England, and only feel sorry that our limits do not permit us to express our obligations to each. We thank them all very cordially for their numerous and welcome favors, and trust they will continue them.

The stanzas at the head of the calendar pages are all selected from LONGFELLOW, which is as much as to say they are worth committing to memory.

We wish you all a happy new year, — requesting you to bear in mind that communications should be addressed to the undersigned previous to July 1st of each year, — and bid you good-by for the present, with the assurance “that no efforts shall be spared to make the Almanack useful, pleasing, and worthy the continued patronage of its numerous friends.

*Wm. O. Thomas.*”

## AGRICULTURAL EXHIBITIONS.

THE Agricultural Exhibitions of Massachusetts, for 1864, will begin as follows:

<i>Essex</i> , at Andover, Sept. 27th.	<i>Hampden</i> , at Springfield, Oct. 4th.
<i>Middlesex</i> , at Concord, Sept. 22d.	<i>Hampden East</i> , at Palmer, Oct. 11th
<i>Middlesex North</i> , at Lowell, Sept. 29th.	<i>Franklin</i> , at Greenfield, Sept. 29th.
<i>Middlesex South</i> , at Framingham, Sept. 20th.	<i>Berkshire</i> , at Pittsfield, Oct. 4th.
<i>Worcester</i> , at Worcester, Sept. 22d.	<i>Hoosac Valley</i> , at North Adams, Sept. 20th.
<i>Worcester West</i> , at Barre, Sept. 29th.	<i>Housatonic</i> , at Great Barrington, Sept. 28th.
<i>Worcester North</i> , at Fitchburg, Sept. 27th.	<i>Norfolk</i> , at Dedham, Sept. 29th.
<i>Worcester South</i> , at Sturbridge, Oct. 6th.	<i>Bristol</i> , at Taunton, Oct. 4th.
<i>Worcester South East</i> , at Milford, Sept. 27th.	<i>Plymouth</i> , at Bridgewater, Oct. 6th.
<i>Hampshire, Franklin and Hampden</i> , at Northampton, Oct. 6th.	<i>Barnstable</i> , at Barnstable, Oct. 4th.
<i>Highland</i> , at Middlefield, Sept. 8th.	<i>Nantucket</i> , at Nantucket, Sept. 27th.
<i>Hampshire</i> , at Amherst, Oct. 13th.	<i>Martha's Vineyard</i> , at West Tisbury, Oct. 18th.

## MARKET DAYS.

CATTLE MARKET,..... at Cambridge, every Wednesday.  
 “ “ ..... at Brighton, “ Thursday.  
 GENERAL MARKET DAY,..... at South Danvers, last Tuesday of every month.

YEARLY AND QUARTERLY MEETINGS OF FRIENDS IN N. ENGLAND.  
 Same as in Almanac for 1863.



## ECLIPSES OF THE SUN AND MOON FOR 1864.

In this year there will be two eclipses of the SUN, and none of the MOON :

I. — A CENTRAL ECLIPSE OF THE SUN, May 5th, visible in Asia, Australia, and the north-western part of North America.

II. — AN ANNULAR ECLIPSE OF THE SUN, October 30th, visible in South America and Mexico.

THE longitudes of the following places are counted west from Greenwich, while the differences of time refer to Boston. (+) added to, (—) subtracted from, Boston time.

Place.	N. Lat.	W. Lon.	Diff.	Place.	N. Lat.	W. Lon.	Diff.
Augusta, Me. ....	44° 19'	69° 50'	+ 5	Boston, Mass. ....	42° 21'	71° 3'	—
Eastport, " .....	44	54 66 56	+ 17	Worcester, " .....	42	16 71 48	— 3
Bangor, " .....	44	48 63 47	+ 9	Springfield, " .....	42	6 72 36	— 6
Portland, " .....	43	40 79 15	+ 3	Pittsfield, " .....	42	27 73 16	— 9
Brunswick, " .....	43	53 69 55	+ 5	Hartford, Conn. ....	41	46 72 41	— 7
Concord, N. H. ....	43	12 71 29	— 2	New Haven, " .....	41	18 72 55	— 7
Dover, " .....	43	13 70 54	+ 1	Newport, R. I. ....	41	29 71 18	— 1
Montpelier, Vt. ....	44	17 72 36	— 6	New York, N. Y. ....	40	43 74 0	— 12

### NAMES AND CHARACTERS OF THE PLANETS.

☉ The Sun.	♂ Mars.	♄ Saturn.	♃ Vesta.
☾ The Moon.	♃ Jupiter.	♅ Uranus.	♄ Juno.
☿ Mercury.	♁ The Earth.	♆ Neptune.	♃ Pallas.
♀ Venus.			♁ Ceres.

### NAMES AND CHARACTERS OF THE ASPECTS.

☿ Conjunction, or in the same degree.	♁ Opposition, or 180 degrees.
* Sextile, 60 degrees.	♁ Dragon's Head, or Ascending Node.
□ Quartile, 90 degrees.	♁ Dragon's Tail, or Descending Node.
△ Trine, 120 degrees.	

### NAMES AND CHARACTERS OF THE SIGNS OF THE ZODIAC.

1 ♈ Aries, head.	5 ♌ Leo, heart.	9 ♎ Sagittarius, thighs.
2 ♉ Taurus, neck.	6 ♍ Virgo, belly.	10 ♏ Capricornus, knees.
3 ♊ Gemini, arms.	7 ♎ Libra, reins.	11 ♐ Aquarius, legs.
4 ♋ Cancer, breast.	8 ♏ Scorpio, secrets.	12 ♑ Pisces, feet.

### CHRONOLOGICAL CYCLES FOR 1864.

Golden Number, 3	Dominical Letters, C B	Roman Indiction, 7
Cycle of the Sun, 25	Epact, 22	Julian Period, 6577

### MOVABLE FEASTS AND FASTS FOR 1864.

Septuagesima Sunday, Jan. 24	Good Friday, Mar. 25	Holy Thursday, May 5
Shrove Sunday, Feb. 7	EASTER SUNDAY, " 27	Whit Sunday, " 15
Ash Wednesday, " 10	Low Sunday, April 3	Trinity Sunday, " 22
First Sunday in Lent, " 14	Rogation Sunday, May 1	Advent Sunday, Nov. 27

### DEFINITIONS. [Continued from last year.]

**JULIAN PERIOD.** — A cycle of 7980 consecutive years, invented by Scaliger. It dates from 4713 years B. C.

The *Julian Style* related to the reform of the calendar introduced at Rome by Julius Cæsar, and used in all Christian countries till it was reformed by Pope Gregory XIII. in 1582.

The *Julian Epoch* is the commencement of the Julian calendar, January 1st, 46 years B. C.

The year adopted in the Julian calendar, called the *Julian year*, — equal to 365½ days, — was used in England till 1752, when the Gregorian year, or new style, was adopted.

**ZODIAC.** — An imaginary zone or belt in the heavens, within which the sun and all the larger planets appear to perform their annual revolutions. It extends about eight or nine degrees on each side of the ecliptic; contains twelve constellations, and is divided into twelve equal parts, called *signs*, which anciently coincided with the constellations, but now occupy very different positions. Each *sign* contains thirty-two degrees. The first begins at the point of the ecliptic through which the sun passes at the vernal equinox. They are counted from west to east. The names in their order, and the characters by which they are indicated in almanacs, are given above, as *Aries*, &c. The signs derived their names from the twelve constellations with which their places coincided in ancient times (above 200 years B. C.), but owing to the westward motion of the equinoxes, the constellations are now each about thirty degrees east of the sign of the same name.

*From Worcester's Quarto Dictionary of the English Language.*

**COMMENCEMENTS, ANNIVERSARIES, AND VACATIONS,  
OF COLLEGES AND THEOLOGICAL SCHOOLS, IN NEW ENGLAND.**

**HARVARD, AT CAMBRIDGE, MASS.—Com.,** 3d Wed. July. **Vaca., 1st,** from end of first term, 6 w.; 2d, from end of second term (commencement week), 6 w.; the academical year being divided into two terms of 20 weeks each, and beginning at com.

**CAMBRIDGE THEO. SEM., AT CAMBRIDGE, MASS.—Vaca.,** same as Harvard Collegc.

**TUFTS COLLEGE, MEDFORD, Ms.—Com.,** 2d Wed. in July. **Vaca., 1st,** from end of 1st term, 6 w.; 2d, from end of 2d term, 6 w. Col. year divided as at Harv. Col.

**AMHERST, AT AMHERST, MASS.—Com.,** 2d Thurs. in July. **Vaca., 6 w.** from com.; 6 w. from the Wed. before annual Thanksgiving; 1 w. from the 1st Wed. in April.

**WILLIAMS, AT WILLIAMSTOWN, MASS.—Com.,** 1st Wed. in Aug. **Vaca., 5 w.** after com.; from 4th Tues. in Nov., 6 w.; 3d Tues. in Apr., 2 w.

**ANDOVER THEOL. SEM., AT ANDOVER, MASS.—Anniv.,** 1st Wed. in Sept. **Vaca.,** 7 w., and 5 w. preceding last Wed. in May.

**NEWTON THEO. INST., AT NEWTON, Ms.—Anniv.,** last Wed. in June. **Vac., 9 w.** from anniv., and also 3 w. fr. last Wed. in Jan.

**YALE, AT NEW HAVEN, CONN.—Com.,** last Thurs. in July. **Vaca., 7 w.** from com.; 2 w. before 1st Wed. in Jan., and 3 w. before 1st Wed. in May, when the terms com.

**TRINITY, AT HARTFORD, CONN.—Com.,** Thurs. before July 4th. **Vac., 9 w.** from

com.; 4 w. from Thurs. before Christmas.

**WESLEYAN, AT MIDDLETOWN, CONN.—Com.,** 4th Wed. in June. **Vaca., 4 w.** from com.; 8 w. from Dec. 1; 2 w. from May 4.

**UNIVERSITY OF VERMONT, AT BURLINGTON.—Com.,** 1st Wed. in Aug. **Vaca., com.** 4 w.; 1st Wed. in Dec. 8 w., and 1 w. from 2d Wed. in May.

**MIDDLEBURY, AT MIDDLEBURY, VT.—Com.,** 2d Wed. Aug. **Vaca., com.** 4 w.; last Wed. Nov., 8 w.; 1 w. fr. 4th Wed. April. **DARTMOUTH, AT HANOVER, N. H.—Com.,** last Thurs. in July. **Vaca., 4 w.** from com.; 7 w. beginning in Nov., and 2 w. in May.

**BROWN, AT PROVIDENCE, R. I.—Com.,** 1st Wed. in Sept. **Vaca.,** from 2d Wed. in July to com., and from 3d Wed. in Jan. to 3d Wed. in Feb.

**BOWDOIN, AT BRUNSWICK, ME.—Com.,** 1st Wed. in Aug. **Vaca., com.** 3 w.; from last Wed. in Nov., 8 w.; from 3d Wed. in April, 2 w.

**WATERVILLE, AT WATERVILLE, ME.—Com.,** 2d Wed. in Aug. **Vaca., at com.,** 4 w.; from 2d Wed. in Dec., 8 w.; from 1st Wed. in May, 1 w.

**MAINE WESLEYAN SEM., AT READFIELD, ME.—Two terms,** of 15 weeks each. **Fall term com.** 1st Wed. in Aug. **Spring term com.** 1st Wed. in March.

**BANGOR THEO. SEM., AT BANGOR, ME.—Anniv.,** last Wed. July. **Vac., fr. do.,** 12 w.

**EXECUTIVE GOVERNMENT OF THE UNITED STATES (JUNE, 1863).**

ABRAHAM LINCOLN, Ill., President,	\$25,000	Salmon P. Chase, Ohio, Sec. Trea.,	\$8,000
Wm. H. Seward, N.Y., Sec. State,	8,000	Caleb B. Smith, Ia., " Inter.,	8,000
Gideon Welles, Conn., " Navy,	8,000	Montgomery Blair, Md., Post. Gen.,	8,000
Edw. M. Stanton, Pa., " War,	8,000	Edward Bates, Mo., Att'y "	8,000

**AMERICAN PRESIDENTS.**

Where Born.	Date of Birth.	Term of Office.	Age when term expired.	Died.
Geo. Washington, Va.,	Feb. 22, 1732,	1789 to 1797,	66,	Dec. 14, 1799
John Adams, Mass.,	Oct. 19, 1735,	1797 to 1801,	do.,	July 4, 1826
Thomas Jefferson, Va.,	Apr. 2, 1743,	1801 to 1809,	do.,	July 4, 1826
James Madison, " "	Mar. 5, 1751,	1809 to 1817,	do.,	June 28, 1836
James Monroe, " "	Apr. 2, 1759,	1817 to 1825,	do.,	July 4, 1831
John Q. Adams, Mass.,	July 11, 1767,	1825 to 1829,	62,	Feb. 23, 1848
Andrew Jackson, S. C.,	Mar. 15, 1767,	1829 to 1837,	70,	June 8, 1845
Martin Van Buren, N. Y.,	Dec. 5, 1782,	1837 to 1841,	59,	July 24, 1862
Wm. H. Harrison, Va.,	Feb. 9, 1772,	1841 —	69,	Apr. 4, 1841
John Tyler, " "	Mar. 29, 1790,	1841 to 1845,	55,	Jan. 17, 1862
James K. Polk, N. C.,	Nov. 2, 1795,	1845 to 1849,	54,	June 15, 1849
Zachary Taylor, Va.,	Nov. 24, 1784,	1849 to 1850,	65,	July 9, 1850
Millard Fillmore, N. Y.,	Jan. 7, 1800,	1850 to 1853,	53.	
Franklin Pierce, N. H.,	Nov. 23, 1804,	1853 to 1857,	53.	
James Buchanan, Penn.,	Apr. 13, 1791,	1857 to 1861,	69.	
Abraham Lincoln, Ky.,	Feb. 12, 1809,	1861 —		

**ANALYSIS OF FOOD.**

	Muscle-forming elements.	Fat-forming elements.	Relative proportion of each.	Husky or woody fibre.
Barley, .....	14 lbs.	64 lbs.	1 to 4½	15 lbs.
Beans, .....	26 "	42 "	1 to 1½	10 "
Beets, .....	2 "	12 "	1 to 6	(?) "
Buckwheat, .....	8 "	54 "	1 to 6½	25 "
Carrots, .....	1½ "	10 "	1 to 6½	3 "
Corn, .....	12 "	77 "	1 to 6½	6 "
Oats, .....	17 "	66 "	1 to 4	20 "
Peas, .....	24 "	52 "	1 to 2½	8 "
Potatoes, .....	2 "	19 "	1 to 9½	4 "
Turnips (field), .....	1½ "	9 "	1 to 6	2 "
do. (Swedish), .....	2½ "	12 "	1 to 5½	2 "
Wheat flour, .....	11 "	79 "	1 to 7	
Wheat bran, .....	18 "	6 "	1 to ½	
Cheese (whole milk), ..	28 "	27 "	1 to 1	
do. (skim milk), ..	45 "	6 "	1 to ½	55 "

# WORTHLESS AND UNCURRENT BANK NOTES IN NEW ENGLAND.

CORRECTED BY CLAPP, FULLER & BROWNE,

Dealers in Bank Notes and Specie, 37 State Street, corner of Congress Street.

Val. on Dol.	Val. on Dol.	Val. on Dol.
<b>MASSACHUSETTS.</b>	Pemigewasset Bk, Plym., <i>closed.</i>	Kennebunk Bank, Machias Bank.
American Bank, } Commercial Bank, } Commonwealth B'k, } Cochituate Bank, } Franklin Bank, } Fulton Bank, } Grocers Bank, } Haymarket Sq. B'k, } Kilby Bank, } Lafayette Bank, } Oriental Bank, } Amherst Bank, Amherst, Berkshire B'k, Pittsfield, Essex Bank, } Farmers' Bank, } Salem. Chelsea Bank, Chelsea, Bass River B'k, Beverly, Citizens' B'k, Nantucket, Cohannet Bank, Taunton, Cohasset Bank, Charlestown B. } Charles- Phoenix Bank, } town, Dorches. and Milton B'k, Duxbury B'k, Duxbury, East Bridgewater Bank, Essex B'k, N. Andover, Farmers' and Mechanics' B'k, Belchertown, Farmers' and Mechanics' B'k, South Adams, Greylock Bank, [ampton, Hampshire Bank, North- Ipswich Bank, Ipswich, Manuf's Bk, Georgetown, Man. & Mech. B'k, Nant. Mendon Bank, Mendon, Middlesex B., Cambridge, Mid. Int. Bk, Salem, <i>clos.</i> Newburyport B'k, Newb. Nahant Bank, Lynn, Norfolk Bk, } Roxbury Bk, } Roxbury, Winthrop Bk, } Pawtucket Bk, Pawtuck., Sandwich Bank, Sandw., Sutton Bk, Wilkinsonville, Western Bk, Springfield, New HAMPSHIRE.	Winnipisicogee B'k, <i>clos.</i> Wolfborough B'k, Wolfb., Rochester B'k, Rochester, CONNECTICUT. Bank of North America, Bank of Seymour, Seym., Bridgeport Manuf. Co., Bridgeport Bank, Bridgeport City, Colchester B'k, Colches., Commercial B'k, Tolland. Fairfield Co. Bk, Norwalk, Derby Bank, Derby, Pahquoique Bk, Danbury, Eagle Bank, New Haven, Eastern, W. Killingsly, Hatters' Bank, Granite, Voluntown, <i>fr'd.</i> Housatonic R. R. Comp., Bridgeport, Saugatuck Bk, Westport, Southport Bk, Southport, Stamford Bk, Stamford, Wooster Bank, Manuf.'s B'k, Derby, Litchfield B'k, Litchfield, Merch. Ex. Bk, Bridgep't, N. Haven Co. Bk, N. Hav., Woodbury Bk, Woodb'ry, MAINE.	98 Saco Bank, Saco, 98 Sandford B'k, Sandford, Ship Builders' B'k, Rock- land, <i>broke.</i> 98 St. Croix Bank, Calais, Union Bank, Brunswick, 98 Vassalborough B'k, Vass. Waldo Bank, Belfast, Wash'gton Co. Bk, Calais, 98 Waterville B'k, Waterv., Winthrop B'k, Winthrop, 98 Wiscasset B'k, Wiscasset, B'k of Hallowell, Hallow., 98 Maritime Bank, Bangor, 98 Westbrook Bank, <i>closed.</i>
Concord Bank, Concord, Cheshire Bank (old), Claremont B'k, Clarem't, Dover Bank, Dover (old), Exeter Bank, } Granite Bank, } Exeter, <i>etc.</i> (old), } Farmers' Bank, Amherst, Lancaster Bk, Lancaster, Lebanon Bank, Lebanon, Manuf. Bk, N. Ipswich, N. Hampshire Union Bk, Commercial B'k, } Ports- Piscataqua B'k, } mouth. Portsmouth B'k, } Grafton Bank, Haverhill, Hillsboro' Bk, Hillsboro', N. Hampshire B'k, Ports- mouth,	Agricult'l Bank, Brewer, Androscoggin Bank, Brunswick B'k, Brunsw., Bangor Bank, Bangor Com. Bank. Bath Bank, City Bank, Exchange Bank, Lafayette Bank, Norombega Bank, Penobscot Bank, People's Bank, Grocers' Bank, Atlantic B'k, Portland, Bank of Portland, Exchange Bank, Georgia Lumber Co., Maine Bank, B'k of Old Town, } Orono, Stillwater Canal, } B'k of Westbrook, } West- Franklin Bank, } br'k, Canton Bank, China, Castine Bank, Castine, Central Bank, Hallowell, Central Bank, Grey, City B'k, Portland, Citizens' (old pl.), } Au- do. (new pl.), } gusta, Damariscotta, Nobleboro, Ellsworth B'k, Ellsworth, Frankfort B'k, Frankfort, Globe Bank, Bangor, Hancock B'k, Ellsworth, Hal. and Aug. Bk, Hal. Kennebeck Bk, Hallowell,	VERMONT. Danby Bank, Danby, Agricultural B'k, Troy, Bank of Bennington, Ben. B'k of Manchester, Man., Bank of Orange County, B'k of Woodstock, Wood., Bank of Windsor, Wind., Commercial Bank of Ver- mont, Poultney, Essex Bank, Guildhall, Green Mountain Bank, Jefferson Banking Co., Phoenix Bank, Vt. St. Bk, and branches, South Royalton B'k, S. R. RHODE ISLAND. Bristol Union B'k, Brist., Burrillville B'k, Burrillv., Freeman's Bk, Bristol, Eagle Bank, Newport, Farm. Ex. Bk, Gloucester, Farmers' and Mechanics' Bank, Pawtucket, Washington Co. Bk, Car- olina Mills, Farmers' B'k, Wickford, Franklin Bk, Providence, Hamilton Bank, Scituate, Hamilton B'k, N'th Scit., Mercantile Bk, Prov., Mount Hope B'k, Bristol, Pascoag Bk, Pascoag Vil., Provid. Co. B'k, S'thfield, R. I. Agri. B'k, Johnston, Scituate Bank, Scituate, Tiverton Bank, Tiverton, Bank of Republic, Prov., B'k of So. Co., Wakefield, Mount Vernon B'k, Prov., R. I. Cent., E. Greenwich, Hopkinton B'k, Westerly, Warwick Bank, R. I. Exchange,

1864.

JANUARY, first Month.

Astronomical Calculations.

Days.	d. m.		Days.	d. m.		Days.	d. m.		Days.	d. m.		Days.	d. m.		
	d.	m.		d.	m.		d.	m.		d.	m.		d.	m.	d.
1	23	S.	2	7	22	24	13	21	31	19	20	23	25	19	1
2	22	57	8	22	17	14	21	21	20	20	10	26	18	46	
3	22	51	9	22	8	15	21	10	21	19	57	27	18	31	
4	22	45	10	22	0	16	20	59	22	19	44	28	18	15	
5	22	39	11	21	51	17	20	47	23	19	30	29	17	59	
6	22	32	12	21	40	18	20	35	24	19	15	30	17	43	

☉'s Declination.

- ☾ Last Quarter, 2d day, 2h. 55m., morning.
- New Moon, 9th day, 3h. 1m., morning.
- ☽ First Quarter, 15th day, 6h. 22m., evening.
- Full Moon, 23d day, 5h. 18m., evening.
- ☾ Last Quarter, 31st day, 7h. 33m., evening.

Days of Month, Days of the Week.	☺		Length of Days.		Day's Decre.		☺		☾		Full Sea, Boston.		☽'s Place.		☽		☽	
	Rises. h. m.	Sets. h. m.	h.	m.	h.	m.	S.	A.	Morning h. m.	Evening h. m.	h.	m.	R. h. m.	S. h. m.	Souths. h. m.	h.	m.	
1 Fr.	7 30	4 39	9	9	0	5	4	22	3	56	4	20	rei.	morn.	5	13		
2 Sa.	7 30	4 40	9	10	0	6	4	23	4	44	5	9	rei.	0	13	5	57	
3 SU.	7 30	4 41	9	11	0	7	5	24	5	36	6	5	rei.	1	15	6	43	
4 Mo.	7 30	4 42	9	12	0	8	5	25	6	34	7	4	sec.	2	20	7	33	
5 Tu.	7 30	4 43	9	13	0	9	6	26	7	36	8	9	sec.	3	26	8	27	
6 W.	7 30	4 44	9	14	0	10	6	27	8	41	9	13	thi.	4	31	9	25	
7 Th.	7 29	4 45	9	16	0	12	6	28	9	44	10	13	thi.	5	33	10	25	
8 Fr.	7 29	4 46	9	17	0	13	7	29	10	42	11	10	kn.	6	32	11	27	
9 Sa.	7 29	4 47	9	18	0	14	7	●	11	36	—	—	kn.	sets.	0	29		
10 SU.	7 29	4 48	9	19	0	15	8	1	0	2	0	27	legs	6	56	1	28	
11 Mo.	7 28	4 49	9	21	0	17	8	2	0	52	1	17	legs	8	12	2	25	
12 Tu.	7 28	4 50	9	22	0	18	9	3	1	42	2	6	feet	9	26	3	18	
13 W.	7 28	4 51	9	23	0	19	9	4	2	29	2	53	feet	10	38	4	10	
14 Th.	7 27	4 52	9	25	0	21	9	5	3	17	3	42	h'd	11	47	5	1	
15 Fr.	7 27	4 54	9	27	0	23	10	6	4	7	4	34	h'd	morn.	5	50		
16 Sa.	7 26	4 55	9	29	0	25	10	7	5	1	5	31	n'k	0	54	6	40	
17 SU.	7 26	4 56	9	30	0	26	10	8	6	1	6	31	n'k	1	58	7	30	
18 Mo.	7 25	4 57	9	32	0	28	11	9	7	2	7	32	arm	2	59	8	21	
19 Tu.	7 25	4 58	9	33	0	29	11	10	8	2	8	31	arm	3	56	9	11	
20 W.	7 24	5 0	9	36	0	32	11	11	8	58	9	24	arm	4	48	10	1	
21 Th.	7 23	5 1	9	38	0	34	12	12	9	50	10	14	br.	5	34	10	49	
22 Fr.	7 23	5 2	9	39	0	35	12	13	10	36	10	57	br.	6	15	11	36	
23 Sa.	7 22	5 3	9	41	0	37	12	○	11	18	11	37	h'rt	rises.	morn.			
24 SU.	7 21	5 5	9	44	0	40	12	15	11	56	—	—	h'rt	6	11	0	21	
25 Mo.	7 21	5 6	9	45	0	41	13	16	0	14	0	32	h'rt	7	9	1	5	
26 Tu.	7 20	5 7	9	47	0	43	13	17	0	50	1	9	bel.	8	7	1	47	
27 W.	7 19	5 8	9	49	0	45	13	18	1	27	1	45	bel.	9	5	2	29	
28 Th.	7 18	5 10	9	52	0	48	13	19	2	4	2	23	rei.	10	4	3	11	
29 Fr.	7 17	5 11	9	54	0	50	13	20	2	42	3	2	rei.	11	4	3	54	
30 Sa.	7 16	5 13	9	57	0	53	14	21	3	22	3	44	rei.	morn.	4	38		
31 SU.	7 15	5 14	9	59	0	55	14	22	4	8	4	33	sec.	0	6	5	25	



JANUARY hath 31 days.

1864.



Chill airs and wintry winds! my ear  
Has grown familiar with your song;  
I hear it in the opening year,—  
I listen and it cheers me long.

M. D.	W. D.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Fr.	Circumcision. } Bat. Galves- ton, '63.	Now let us sit down by a crackling fire, and turn over a new leaf in the book of life. Ah, how white and pure, like the snow-covered ground, opens the page we are now to begin! What a contrast with that which was folded up yesterday and labelled "THE PAST"! See the blanks that can't be filled. They mark the omissions. See the blots that can't be rubbed out. They mark the deeds that are done, and that are sealed up by the recording angel. Last night the account closed. It is too late to right its wrongs; but let the swift years speed on. It matters little, if they teach us in their flight how to live now, and how to fill up the bright pages that lie open before us. Some men seem to get on as if success were a matter of course with them. People call them "lucky;" but don't you see that luck was the result of work, the improvement of time, and the application of energy? "God helps those that help themselves." Take care of the minutes, and the hours will take care of themselves. Be honest, be industrious, be good, and you will be happy, or, at least, you will be to. Such being the case, I wish you most cordially a happy new year.
2	Sa.	♂ ♀ ☾. } Bat. Murfrees- boro', '63.	
3	C.	2d S. af. Ch. Low ti. <i>Cool.</i>	
4	Mo.	♂ ♀ ☾. } Bat. Hunters- ville, Va., '62. <i>with</i>	
5	Tu.	♂ ♀ ☾. ♀ gr. hel. <i>snow.</i> lat. N.	
6	W.	{ Mass. and Maine Legs. meet { C. C. Cambridge, Lenox and Plym.	
7	Th.	St. Distaff's D. 6th. <i>Epip.</i>	
8	Fr.	□ ♀ ☾. } Bat. Springfield, '63. { Bat. Romney, Va., '62.	
9	Sa.	♀ gr. elon. ☾ in per. <i>A</i> E.	
10	C.	1st S. af. Ep. ♂ ♀ ☾.	
11	Mo.	High tides. <i>storm</i>	
12	Tu.	♀ in ☽. <i>is near.</i>	
13	W.	{ 13th and 14th very cold { in New England, '61.	
14	Th.	♂ ♀ ☾. <i>Frequent</i>	
15	Fr.	♀ stationary. <i>snow</i>	
16	Sa.	♀ in Perih. Low tides.	
17	C.	2d S. af. Ep. <i>squalls.</i>	
18	Mo.	{ 17th. Ex-Pres. Tyler { died, aged 72, '62. <i>Rather</i>	
19	Tu.	☾ runs high. <i>finer.</i>	
20	W.	♂ ♂ ☾.	
21	Th.	{ Grant Thorburn, seedsman { and florist, d., ag. 90, '63.	
22	Fr.	{ Bat. Sabine { Pass, '63. <i>Rain,</i>	
23	Sa.	24th. ☾ in Ap. High ti.	
24	C.	Septua. S. ♂ ♀ ☾ Inf.	
25	Mo.	Conv. of St. Paul.	
26	Tu.	<i>with some</i>	
27	W.	♀ gr. hel. lat. N.	
28	Th.	♀ stationary. <i>snow.</i>	
29	Fr.	<i>Fine for</i>	
30	Sa.	♂ ♀ ☾. <i>the</i>	
31	C.	Sexagesima S. <i>season.</i>	

1864. FEBRUARY, second Month.

## Astronomical Calculations.

Days of Declination.	Days.		Days.		Days.		Days.		Days.		Days.			
	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.		
1	17	10	7	15	22	13	13	25	19	11	21	25	9	10
2	16	52	8	15	3	14	13	5	20	11	0	26	8	48
3	16	35	9	14	44	15	12	45	21	10	38	27	8	25
4	16	17	10	14	25	16	12	24	22	10	16	28	8	3
5	15	59	11	14	5	17	12	3	23	9	54	29	7	40
6	15	41	12	13	46	18	11	42	24	9	32			

- New Moon, 7th day, 1h. 26m., evening.  
 ☽ First Quarter 14th day, 8h. 40m., morning.  
 ○ Full Moon, 22d day, 0h. 17m., evening.

Days of Month. Days of the Week.	☺		Length of Days.		Day's Incr.		☺ S.	☽ A.	Full Sea, Boston.		☽'s Place.	☽		☽ Souths.
	Rises. h. m.	Sets. h. m.	h.	m.	h.	m.			Morning h. m.	Evening h. m.		R. h. m.	S. h. m.	
1 Mo.	7 14	5 15	10	10	57	14	23	5	2	5 32	sec.	1	10	6 16
2 Tu.	7 13	5 16	10	30	59	14	24	6	3	6 36	thi.	2	13	7 9
3 W.	7 11	5 18	10	7	1	3	14	7	11	7 46	thi.	3	15	8 7
4 Th.	7 10	5 19	10	9	1	5	14	8	21	8 53	kn.	4	14	9 6
5 Fr.	7 9	5 20	10	11	1	7	14	9	25	9 56	kn.	5	8	10 7
6 Sa.	7 8	5 21	10	13	1	9	14	10	25	10 53	legs	5	56	11 7
7 SU.	7 7	5 23	10	16	1	12	14	●	11 19	11 43	legs	sets.	0	6
8 Mo.	7 6	5 25	10	19	1	15	14	1	—	0 7	feet	7	0	1 3
9 Tu.	7 4	5 26	10	22	1	18	14	2	0 31	0 54	feet	8	15	1 57
10 W.	7 3	5 27	10	24	1	20	14	3	1 17	1 40	h'd	9	28	2 50
11 Th.	7 2	5 28	10	26	1	22	14	4	2 4	2 27	h'd	10	38	3 42
12 Fr.	7 0	5 29	10	29	1	25	14	5	2 51	3 15	n'k	11	46	4 34
13 Sa.	6 59	5 31	10	32	1	28	14	6	3 40	4 7	n'k	morn.	5	26
14 SU.	6 58	5 32	10	34	1	30	14	7	4 35	5 4	n'k	0	50	6 17
15 Mo.	6 56	5 33	10	37	1	33	14	8	5 33	6 4	arm	1	49	7 8
16 Tu.	6 55	5 34	10	39	1	35	14	9	6 35	7 6	arm	2	43	7 58
17 W.	6 54	5 36	10	42	1	38	14	10	7 36	8 4	br.	3	31	8 46
18 Th.	6 52	5 37	10	45	1	41	14	11	8 31	8 56	br.	4	14	9 33
19 Fr.	6 51	5 38	10	47	1	43	14	12	9 21	9 44	br.	4	51	10 19
20 Sa.	6 49	5 39	10	50	1	46	14	13	10 7	10 29	h'rt	5	23	11 3
21 SU.	6 48	5 41	10	53	1	49	14	14	10 50	11 9	h'rt	5	53	11 46
22 Mo.	6 46	5 42	10	56	1	52	14	○	11 27	11 44	bel.	rises.	morn.	
23 Tu.	6 45	5 43	10	58	1	54	14	16	—	0 1	bel.	7	0	0 28
24 W.	6 43	5 44	11	1	57	14	17	0	19	0 37	bel.	7	57	1 10
25 Th.	6 42	5 46	11	4	2	0	13	18	0 55	1 14	rei.	8	57	1 53
26 Fr.	6 40	5 47	11	7	2	3	13	19	1 33	1 52	rei.	9	58	2 37
27 Sa.	6 38	5 48	11	10	2	6	13	20	2 13	2 34	sec.	11	0	3 23
28 SU.	6 37	5 49	11	12	2	8	13	21	2 56	3 18	sec.	morn.	4	11
29 Mo.	6 35	5 51	11	16	2	12	13	22	3 42	4 9	thi.	0	2	5 3

VENUS will be *morning star* until July 18th, then *evening star* the rest of the year.

JUPITER will be *morning star* until May 12th, then *evening star* until November 29th, and *morning star* again the rest of the year.

FEBRUARY hath 29 days.

1864.



Where, twisted round the barren oak,  
The summer vine in beauty clung,  
And summer winds the stillness broke,  
The crystal icicle is hung.

M. D.	W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Mo.	♂ ♀ ☾ { Texas passed sec. ord., '61. Low	WHAT are you about now-a-days? It is a good time to read a little, study a good deal, and chop wood for exercise. Do the chores first, of course. The stock will suffer without careful attention these cold days. The hens ought to lay, and, if they wont, they ought to be made to. Give 'em a little fresh meat, a few pounded bones, a little sand or gravel to roll in, and a warm, sunny shelter, and see if you can't encourage 'em. There is time for the farmer's club and the lecture, now, and time, too, for a little care over the education of the children. Why not get an interesting book, and let the girls and the boys take turns at reading aloud? You've no idea what an influence it would have on them all through life, to say nothing of the information you might gain. We can't get away from the fact that our children are very much what we choose to make them, and, if we want them to love and respect us, and cling to home, we've got to take an interest in their studies, and aid and encourage them when they do well. This everlasting fault-finding won't do. Hope and fear are the two great motives to human action. Isn't
2	Tu.	Purification. tides.	
3	W.	{ Slavery abol. in French col., '34. ☾ runs low.	
4	Th.	{ Very cold in N. Eng., '63. ♀ ♀ ☾. ♂ ♂ ☾.	
5	Fr.	{ 4th. Peace Conf. met at Washington, '61. ♂ sta.	
6	Sa.	{ Fort Henry, Ten., captured, '62. ♂ ♀ ♂.	
7	C.	Quinq. S. Shrove S. ☾ in per.	
8	Mo.	{ Roanoke Isl. taken, 7th and 8th, '62. High ti.	
9	Tu.	{ 6th. Confed. Cong. first met at Montgomery, Ala., '61.	
10	W.	Ash Wed. { Jeff Davis el. Pres. Conf. States, '61.	
11	Th.	{ 10th. Tenn. votes against sec., '61. Tea planting in China begins.	
12	Fr.	{ Oregon adm., 33d State, '59. Sugar plant. in Bengal beg. this mo.	
13	Sa.	{ Potatoes planted this month in S. C. and States further south.	
14	C.	1st S. in Lent. Cold.	
15	Mo.	{ Thun. storm in N. Eng., '61. ☐ ♀ ☉. Low t.	
16	Tu.	♂ ♂ ☾. ☾ runs low.	
17	W.	{ 16th. Fort Donelson taken, '62. Snow.	
18	Th.	♀ gr. elong. W. Windy.	
19	Fr.	♀ in ☽. { Florida ceded to the Union, '21.	
20	Sa.	☾ in Apo. { Capt. of the Cyane and Levant, '15.	
21	C.	2d S. in Lent. Rain.	
22	Mo.	{ 21st. Battle of Valverde, N. Mex. '62. WASHINGTON born, 1732.	
23	Tu.	{ Gen. Twiggs sur. U. S. army, Tex- as, and vast am't of property, '61.	
24	W.	St. Matthias. High tides.	
25	Th.	{ 24th. Great gale, with thunder and lightning, in New England, '62.	
26	Fr.	♂ ♀ ☾. Unsettled for	
27	Sa.	♂ stationary. some days.	
28	C.	3d S. in Lent. ♂ ♀ ☾.	
29	Mo.	♀ in Aph. { Potatoes ripe in New Zealand.	

it far better to have a child do right with the hope of pleasing, than from the fear of offending? Lead, not drive, them in the right way.

1864.

MARCH, third Month.

## Astronomical Calculations.

Days of the Month.	☾			☽			☾			☽			☾			☽		
	d.	m.	h.	d.	m.	h.	d.	m.	h.	d.	m.	h.	d.	m.	h.	d.	m.	h.
1	7	8	17	7	4	58	13	2	37	19	0	S.	15	25	2	7		
2	6	54	8	4	35	14	2	13	20	0	N.	9	26	2	30			
3	6	31	9	4	11	15	1	50	21	0	33	27	2	54				
4	6	8	10	3	48	16	1	26	22	0	56	28	3	17				
5	5	45	11	3	24	17	1	2	23	1	20	29	3	41				
6	5	22	12	3	1	18	0	39	24	1	43	30	4	4				

☾ Last Quarter, 1st day, 8h. 28m., morning.

☽ New Moon, 7th day, 11h. 15m., evening.

☾ First Quarter, 15th day, 1h. 23m., morning.

☽ Full Moon, 23d day, 5h. 40m., morning.

☾ Last Quarter, 30th day, 5h. 36m., evening.

Days of the Month.	Days of the Week.	☽		Length of Days.	Day's Decre.	☽ S.	☾ A.	Full Sea, Boston.		D's Place.	☾		☽ Souths.
		Rises.	Sets.					Morning	Evening		R.	S.	
1	Tu.	6 34	5 52	11 18	2 14	12 23	4 38	5 10	10	thi.	1 3	5 57	
2	W.	6 32	5 53	11 21	2 17	12 24	5 43	6 17	10	thi.	2 2	6 53	
3	Th.	6 30	5 54	11 24	2 20	12 25	6 52	7 27	10	kn.	2 56	7 51	
4	Fr.	6 28	5 55	11 27	2 23	12 26	8 2	8 36	10	kn.	3 44	8 50	
5	Sa.	6 27	5 57	11 30	2 26	12 27	9 8	9 37	10	legs	4 27	9 48	
6	SU.	6 25	5 58	11 33	2 29	11 28	10 5	10 32	10	legs	5 5	10 44	
7	Mo.	6 24	5 59	11 35	2 31	11 11	10 55	11 21	10	feet	sets.	11 39	
8	Tu.	6 22	6 0	11 38	2 34	11 1	11 44	—	10	feet	7 1	0 34	
9	W.	6 20	6 1	11 41	2 37	11 2	0 6	0 29	10	h'd	8 14	1 28	
10	Th.	6 18	6 2	11 44	2 40	10 3	0 52	1 15	10	h'd	9 25	2 21	
11	Fr.	6 17	6 4	11 47	2 43	10 4	1 38	2 2	10	n'k	10 34	3 15	
12	Sa.	6 15	6 5	11 50	2 46	10 5	2 27	2 51	10	n'k	11 37	4 8	
13	SU.	6 13	6 6	11 53	2 49	9 6	3 15	3 40	10	arm	morn.	5 0	
14	Mo.	6 12	6 7	11 55	2 51	9 7	4 6	4 34	10	arm	0 34	5 52	
15	Tu.	6 10	6 8	11 58	2 54	9 8	5 3	5 32	10	br.	1 25	6 41	
16	W.	6 8	6 9	12 1	2 57	9 9	6 2	6 32	10	br.	2 10	7 30	
17	Th.	6 6	6 10	12 4	3 0	8 10	7 2	7 30	10	br.	2 49	8 16	
18	Fr.	6 5	6 12	12 7	3 3	8 11	7 57	8 23	10	h'rt	3 24	9 0	
19	Sa.	6 3	6 13	12 10	3 6	8 12	8 47	9 9	10	h'rt	3 55	9 43	
20	SU.	6 1	6 14	12 13	3 9	7 13	9 31	9 53	10	bel.	4 24	10 26	
21	Mo.	5 59	6 15	12 16	3 12	7 14	10 14	10 34	10	bel.	4 52	11 8	
22	Tu.	5 58	6 16	12 18	3 14	7 15	10 54	11 13	10	bel.	5 20	11 51	
23	W.	5 56	6 17	12 21	3 17	7 16	11 31	11 49	10	rei.	rises.	morn.	
24	Th.	5 54	6 18	12 24	3 20	6 17	—	0 7	10	rei.	7 52	0 35	
25	Fr.	5 52	6 19	12 27	3 23	6 18	0 26	0 46	10	sec.	8 53	1 21	
26	Sa.	5 51	6 20	12 29	3 25	6 19	1 7	1 28	10	sec.	9 55	2 9	
27	SU.	5 49	6 22	12 33	3 29	5 20	1 50	2 13	10	sec.	10 56	3 0	
28	Mo.	5 47	6 23	12 36	3 32	5 21	2 36	3 1	10	thi.	11 55	3 53	
29	Tu.	5 45	6 24	12 39	3 35	5 22	3 28	3 56	10	thi.	morn.	4 48	
30	W.	5 44	6 25	12 41	3 37	4 23	4 24	4 54	10	kn.	0 49	5 44	
31	Th.	5 42	6 26	12 44	3 40	4 24	5 27	6 2	10	kn.	1 38	6 41	



MARCH hath 31 days.

1864.



From the earth's loosened mould  
 The sapling draws its sustenance and thrives;  
 Though stricken to the heart with winter's cold,  
 The drooping tree survives.

M.	W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Tu.	St. David. <small>Now to May tar fruit trees.</small>	A PLACE for everything, and everything in its place, will save many an hour of anxious and fretful search after a lost farm tool. Have a tool-house by all means. It won't cost much. And when you get it, keep things where you can find them. It is n't enough to keep them in the tool-house, but they should be in their place, each hanging on its own, or on two nails; and, that you may be sure which it is, it is a good plan, after hanging up a tool, to draw an outline on the board wall in pencil or chalk, and then with a brush and a little paint mark out a clear likeness of the implement. Then you can see at a glance whether it is in its place or not. Don't say this is too much trouble, and it'll cost more 'n it comes to. It is n't so. Once get a system started, and it works easy enough. It is the want of system that causes so much trouble and loss of time. Now, when a tool is broken, and needs mending, here's the place to do it, in the tool-room. Mend it yourself, if you can; if not, send it to the mechanic. A little paint now and then will keep wooden tools sound, and it is good economy to use the brush freely. Don't fail to have all the farming utensils ready for the spring's work.
2	W.	♀ in ♄. ☾ runs l. Low t.	
3	Th.	{ C. C. Northampton and Greenfield. <i>Rainy.</i>	
4	Fr.	♂ ♄ ☾. <small>3d. Emperor of Russia emancipates serfs, '61.</small>	
5	Sa.	{ Mrs. B. Dudley, foundress of Dud. Obs., Alb., d. '63. ♂ ♀ ☽.	
6	B.	4th S. in Lent. ♂ ♄ ☾.	
7	Mo.	{ 6th. Springfield Bat., '63. Ft. Brown, Tex., sur., '61. <i>Snow.</i>	
8	Tu.	State Election <i>High tides.</i> in N. Haupp.	
9	W.	Eng. Monitor and Mer- rimac, Hamp. R'ds, '62. ♂ ♄ ☾.	
10	Th.	{ 6th and 8th. Bat. Pea Ridge, '62. <i>Fine</i>	
11	Fr.	☐ ♂ ☉. <i>again.</i>	
12	Sa.	Cotton planted this month in S. Car. <i>Cold.</i>	
13	B.	5th S. in Lent. ♃ sta.	
14	Mo.	♂ ♄ ☾. ☾ runs high.	
15	Tu.	{ 14th. Bat. New- bern, N. C., '62. Hot season at Calcutta.	
16	W.	Low tides. <i>Pleasant.</i>	
17	Th.	{ C. C. Plymouth. St. Patrick.	
18	Fr.	{ Supplies cut off from Fort Pickens and Gulf fleet, '61.	
19	Sa.	☾ in Apo. <i>Much cooler.</i>	
20	B.	Palm S. ☉ en- ters ♀. Spring begins.	
21	Mo.	♄ gr. hel. lat. S.	
22	Tu.	<i>Quite pleasant</i>	
23	W.	{ Bat. of Winehes- ter, Va., '62. <i>for the</i>	
24	Th.	{ C. C. Worcester and Taunton. ♂ ♄ ☾. <i>High tides.</i>	
25	Fr.	Annunc. Good Friday.	
26	Sa.	25th. ♂ ♄ ☉. <i>season.</i>	
27	B.	Easter Sun. ♂ ♃ ☾.	
28	Mo.	{ Gen. Hull sentenced to be shot, '14. <i>Windy</i>	
29	Tu.	☾ runs low. <i>for</i>	
30	W.	♂ ♄ ♄. <i>some</i>	
31	Th.	Low tides. <i>days.</i>	

1864.

APRIL, fourth Month.

## Astronomical Calculations.

☉'s Declination.	Days. d. m.		Days. d. m.		Days. d. m.		Days. d. m.		Days. d. m.		Days. d. m.			
	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.	d.	m.		
1	4	N.50	7	7	13	9	19	19	11	26	25	13	26	
2	5	13	8	7	29	14	9	41	20	11	47	26	13	45
3	5	36	9	7	52	15	10	2	21	12	7	27	14	4
4	5	59	10	8	14	16	10	23	22	12	27	28	14	23
5	6	22	11	8	36	17	10	45	23	12	47	29	14	42
6	6	44	12	8	58	18	11	5	24	13	7	30	15	0

- New Moon, 6th day, 9h. 5m., morning.
- ☽ First Quarter, 13th day, 7h. 24m., evening.
- Full Moon, 21st day, 8h. 35m., evening.
- ☾ Last Quarter, 28th day, 11h. 50m., evening.

Days of Month.	Days of the Week.	☉		Length of Days. h. m.	Day's Incre. h. m.	☉ S.	☽ A.	Full Sea, Boston.		D's Place.	☽ R. S.		☽ South. h. m.
		Rises. h. m.	Sets. h. m.					Morning h. m.	Evening h. m.		h. m.	h. m.	
1	Fr.	5 40	6 27	12 47	3 43	4	25	6 36	7 9	legs	2 22	7 36	
2	Sa.	5 39	6 28	12 49	3 45	3	26	7 42	8 14	legs	3 1	8 31	
3	SU.	5 37	6 30	12 53	3 49	3	27	8 44	9 13	feet	3 37	9 25	
4	Mo.	5 35	6 31	12 56	3 52	3	28	9 41	10 7	feet	4 11	10 19	
5	Tu.	5 33	6 32	12 59	3 55	3	29	10 33	10 58	h'd	4 44	11 12	
6	W.	5 32	6 33	13 1	3 57	2	●	11 20	11 42	h'd	sets.	0 5	
7	Th.	5 30	6 34	13 4	4 0	2	1	—	0 4	n'k	8 11	0 59	
8	Fr.	5 28	6 35	13 7	4 3	2	2	0 27	0 51	n'k	9 18	1 54	
9	Sa.	5 27	6 36	13 9	4 5	1	3	1 15	1 38	arm	10 20	2 48	
10	SU.	5 25	6 37	13 12	4 8	1	4	2 2	2 26	arm	11 15	3 41	
11	Mo.	5 23	6 39	13 16	4 12	1	5	2 50	3 14	arm	morn.	4 33	
12	Tu.	5 22	6 40	13 18	4 14	1	6	3 39	4 5	br.	0 4	5 23	
13	W.	5 20	6 41	13 21	4 17	0	7	4 31	4 58	br.	0 46	6 10	
14	Th.	5 19	6 42	13 23	4 19	0	8	5 25	5 52	h'rt	1 22	6 56	
15	Fr.	5 17	6 43	13 26	4 22	F.	9	6 20	6 47	h'rt	1 55	7 39	
16	Sa.	5 15	6 44	13 29	4 25	0	10	7 13	7 38	h'rt	2 25	8 22	
17	SU.	5 14	6 45	13 31	4 27	1	11	8 3	8 27	bel.	2 52	9 4	
18	Mo.	5 12	6 46	13 34	4 30	1	12	8 51	9 14	bel.	3 18	9 47	
19	Tu.	5 11	6 47	13 36	4 32	1	13	9 36	9 57	rei.	3 44	10 30	
20	W.	5 9	6 48	13 39	4 35	1	14	10 18	10 39	rei.	4 12	11 16	
21	Th.	5 8	6 50	13 42	4 38	1	○	11 0	11 20	rei.	4 43	morn.	
22	Fr.	5 6	6 51	13 45	4 41	2	16	11 41	—	sec.	rises.	0 4	
23	Sa.	5 5	6 52	13 47	4 43	2	17	0 2	0 24	sec.	8 49	0 55	
24	SU.	5 3	6 53	13 50	4 46	2	18	0 46	1 9	thi.	9 49	1 48	
25	Mo.	5 2	6 54	13 52	4 48	2	19	1 33	1 58	thi.	10 46	2 43	
26	Tu.	5 0	6 55	13 55	4 51	2	20	2 23	2 49	kn.	11 37	3 40	
27	W.	4 59	6 56	13 57	4 53	3	21	3 15	3 42	kn.	morn.	4 36	
28	Th.	4 58	6 57	13 59	4 55	3	22	4 11	4 41	legs	0 22	5 32	
29	Fr.	4 56	6 58	14 2	4 58	3	23	5 12	5 44	legs	1 1	6 26	
30	Sa.	4 55	6 59	14 4	5 0	3	24	6 17	6 49	feet	1 37	7 19	

APRIL hath 30 days.

1864.



Sweet April! many a thought  
Is wedded unto thee, as hearts are wed;  
Nor shall they fail till, to its autumn brought,  
Life's golden fruit is shed.

M. D.	W. D.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Fr.	Cotton planted this month in Scinde; also in the Southern States.	THERE goes Neighbor Restless
2	Sa.	♂♂ ☾. {3d. Confed. const. rat. by S. C. conv., '61.	over the way. They say he's
3	B.	Low Sun. ♂♀ ☉ Sup.	going to build a first-rate house.
4	Mo.	State Elec. in Conn. ☾ in Per. ♂♀ ☾.	Now, I like to see a man build
5	Tu.	C. C. ♀ in Aph. ♂♂ ☾.	according to his means, at the
6	W.	Lenox. State Elec. in R. Island. Bat. Pittsburg Land., '62. ♂♀ ☾.	time he starts in life. It's bet-
7	Th.	U. S. iron clads at forts in Charlest. har., '63. 7th. Com. with Charleston forbid. Maj. Anderson, '61. High t.	ter than at the end of his career.
8	Fr.	♀ in ♀. {Davis makes req. on Ala. for 5000 sol., '61. Cool.	Let him build to stand as long as
9	Sa.	♀ in ♀. {Davis makes req. on Ala. for 5000 sol., '61. Cool.	human labor can. That's a record
10	B.	2d S. af. Eas. {Bat. Murfreesboro', '63. ♀ runs high.	to his children of what he has
11	Mo.	{Sur. of Fort Pulaski, '62. ♀ runs high.	been, and from what, perhaps,
12	Tu.	C. C. Barnstable, Ipswich and Springfield. Fine.	he has risen. Build to last, and
13	W.	♀ in Perih. Low tides.	make the homestead as lovely and
14	Th.	{12th. Fort Sumter attacked by forces of S. Car., '61.	attractive as work and means will
15	Fr.	☾ in Apo. Some	warrant. Everything a man does
16	Sa.	{Slavery abol. in Dist. Col., '63. rain.	gains in honor and grace by its
17	B.	3d S. af. E. {Va. passes ord. of seces., '61.	regard to the future. It shows
18	Mo.	{17th. Two Mass. reg'ts leave for Wash. 18th. A third leaves, '61.	the far sight, the earnest patience,
19	Tu.	{Bat. Camden, Va., '62. Earthquake in Peru, '60. ♂♀ ☽.	that dignify and adorn
20	W.	{19th. Sixth Mass. Reg. attacked in Balt., '61. ♂♂ ☾.	the character. I would n't build
21	Th.	C. C. Dedham. Cooler, with	merely for present delight and
22	Fr.	High ti. {20th. Gosport navy yard destroyed, '61.	use. Let the work rise so that
23	Sa.	♂ ♀ ☾. St. George.	those who are to come after us
24	B.	4th S. af. E. ♀ gr. hel. lat. N. high	will look with thankful hearts on
25	Mo.	St. Mark. ☾ runs high.	what our hands have wrought,
26	Tu.	{Fort Macon, N. C., captured, '62. Snow storm in and near Boston, '60.	and point to it with proud satisfaction
27	W.	♀ gr. hel. lat. S. winds.	when the clustered memories
28	Th.	Grapes ripe in N. Zealand. Showers.	of the past have sanctified
29	Fr.	Month of wheat harvest in Southern China. Low ti.	it. "See! what our fathers did
30	Sa.	♀ gr. elon. E. Finer.	for us." Age adds glory to the
			homestead in the eyes of the family,
			and this is reason enough for
			building something for all time.
			Shade and ornamental trees add
			beauty to the place, and have a
			real money value far greater than
			the few dollars they cost.

1864.

MAY, fifth Month.

Astronomical Calculations.

☉'s Declination.	Days			Days			Days			Days			Days				
	d.	m.		d.	m.		d.	m.		d.	m.		d.	m.			
1	15	N.18		7	17	1	13	18	34		19	19	50		25	21	5
2	15	36		8	17	17	14	18	49		20	20	8		26	21	15
3	15	54		9	17	33	15	19	3		21	20	20		27	21	25
4	16	11		10	17	49	16	19	16		22	20	32		28	21	35
5	16	28		11	18	4	17	19	30		23	20	43		29	21	44
6	16	45		12	18	19	18	19	43		24	20	54		30	21	53

- ☉ New Moon, 5th day, 7h. 30m., evening.
- ☽ First Quarter 13th day, 1h. 36m., evening.
- ☾ Full Moon, 21st day, 8h. 40m., morning.
- ☾ Last Quarter, 28th day, 4h. 37m., morning.

Days of Month.	Days of the Week.	☉		Length of Days.		Day's Incre.		☉	☽	Full Sea, Boston.		☽'s Place.	☽		☽	
		Rises.	Sets.	h.	m.	h.	m.			F.	A.		Morning	Evening	R.	S.
1	SU.	4 53	7 11	14 8	5 4	3 25	7 20	7 51	feet	2 10	8 11					
2	Mo.	4 52	7 21	14 10	5 6	3 26	8 20	8 49	feet	2 42	9 2					
3	Tu.	4 51	7 31	14 12	5 8	3 27	9 17	9 43	h'd	3 15	9 54					
4	W.	4 49	7 41	14 15	5 11	3 28	10 9	10 34	h'd	3 49	10 47					
5	Th.	4 48	7 51	14 17	5 13	4	☉ 10 58	11 22	n'k	sets.	11 40					
6	Fr.	4 47	7 6	14 19	5 15	4	1 11 44	—	n'k	8 3	0 34					
7	Sa.	4 46	7 7	14 21	5 17	4	2 0 6	0 29	arm	9 2	1 29					
8	SU.	4 45	7 8	14 23	5 19	4	3 0 53	1 16	arm	9 54	2 22					
9	Mo.	4 43	7 9	14 26	5 22	4	4 1 39	2 2	br.	10 40	3 13					
10	Tu.	4 42	7 10	14 28	5 24	4	5 2 25	2 47	br.	11 20	4 2					
11	W.	4 41	7 12	14 31	5 27	4	6 3 9	3 32	br.	11 55	4 49					
12	Th.	4 40	7 13	14 33	5 29	4	7 3 55	4 19	h'rt	morn.	5 34					
13	Fr.	4 39	7 14	14 35	5 31	4	8 4 43	5 8	h'rt	0 25	6 17					
14	Sa.	4 38	7 15	14 37	5 33	4	9 5 33	5 58	bel.	0 52	6 59					
15	SU.	4 37	7 16	14 39	5 35	4	10 6 24	6 49	bel.	1 18	7 41					
16	Mo.	4 36	7 17	14 41	5 37	4	11 7 15	7 41	bel.	1 44	8 24					
17	Tu.	4 35	7 18	14 43	5 39	4	12 8 6	8 31	rei.	2 12	9 9					
18	W.	4 34	7 19	14 45	5 41	4	13 8 56	9 20	rei.	2 42	9 55					
19	Th.	4 33	7 20	14 47	5 43	4	14 9 44	10 8	sec.	3 15	10 45					
20	Fr.	4 32	7 21	14 49	5 45	4	15 10 32	10 56	sec.	3 52	11 38					
21	Sa.	4 32	7 22	14 50	5 46	4	☉ 11 20	11 43	thi.	rises.	morn.					
22	SU.	4 31	7 23	14 52	5 48	4	17 —	0 6	thi.	8 38	0 34					
23	Mo.	4 30	7 24	14 54	5 50	3	18 0 31	0 56	kn.	9 32	1 32					
24	Tu.	4 29	7 24	14 55	5 51	3	19 1 21	1 46	kn.	10 20	2 30					
25	W.	4 28	7 25	14 57	5 53	3	20 2 11	2 37	kn.	11 2	3 27					
26	Th.	4 28	7 26	14 58	5 54	3	21 3 3	3 29	legs	11 39	4 23					
27	Fr.	4 28	7 27	14 59	5 55	3	22 3 56	4 24	legs	morn.	5 16					
28	Sa.	4 27	7 28	15 1	5 57	3	23 4 53	5 23	feet	0 13	6 8					
29	SU.	4 26	7 29	15 3	5 59	3	24 5 53	6 23	feet	0 45	6 58					
30	Mo.	4 26	7 29	15 3	5 59	3	25 6 54	7 25	h'd	1 17	7 49					
31	Tu.	4 25	7 30	15 5	6 1	3	26 7 55	8 24	h'd	1 50	8 40					



MAY hath 31 days.

1864.



When the warm sun, that doth bring  
 Seed-time and harvest, has returned again,  
 'T is sweet to visit the still woods, where spring  
 The first flowers of the plain.

D.	M.	W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	B.	Roga. S.	St. Phil. and St. James. ☾ in Per.	BRIGHT and joyous comes the
2	Mo.		{ 1st. Bat. of Port Gibson, Miss., '63. { 2d. Bat. of Chancellorsville, '63.	May, with its fragrance and its
3	Tu.		R. I. Leg. meets at Providence. ☽ ☽ ☾.	flowers, and with it comes the
4	W.		Conn. Leg. meets. ☽ ♀ ☾. <i>Rain.</i>	pressing work of the spring. If
5	Th.	Asc. Day.	☉ ecl. invis.	you look forward to a rich har-
6	Fr.		{ 1st. Gen. Grant att. Vicksburg, '63. High ti.	vest with gladness of heart, you
7	Sa.		☽ ♀ ☾. { Tenn. passed ord. secession, '61.	must expect to work well through
8	B.	1st S. af. Asc.	☾ runs hi.	May. As you sow so shall you
9	Mo.		{ 9th, 10th. Bombardment of Port Hudson, '63. <i>Dull,</i>	reap. Better be idle four days
10	Tu.		{ Norfolk sur. to the Gov't, '62. <i>with some</i>	of winter than one day of May.
11	W.		{ 6th. Capture of Alexandria, La., '63. <i>rain.</i>	Spring round, John! Up early,
12	Th.		{ Bat. Raymond, Miss., '63. ♀ station.	and down late. Run the plough
13	Fr.		☽ ☽ ☉. ☾ in Apo.	a little deeper. Stick in a seed
14	Sa.		{ Bat. of Miss. Springs, '63. { Capt. of Jackson, Miss., '63. <i>Cool.</i>	here and another there. If the
15	B.	Pentecost.	Whit Sun.	crows pull up a hill of corn, or
16	Mo.		{ 15th. Bat. Carsville, Va., '63. { 16th. Bat. Champ. Hill, Miss., '63.	any seed fails to take, don't give
17	Tu.		{ Bat. Black River Bridge, Miss., '63. ♀ in ☽.	it up so. It's of no use to worry
18	W.		{ C. C. Edgerton. Capture Haines's Bluff, '63. <i>Fine.</i>	or fret, but just set about
19	Th.		{ 20th. Bat. Austria, Miss., '63. { 24th. Bat. Gum Swamp, N. C., '63.	transplanting from hills that have
20	Fr.		☽ ☽ ☾. Wheat sown this mo. at Port Natal.	too many to stand well, or put in
21	Sa.		High ti. The tea is gathered this mo. in South. China.	a squash or a few rutabagas. By
22	B.	Trinity S.	☾ runs low.	the way, suppose the cows could
23	Mo.		☽ ♀ ☉ Inf. { Bat. Front Royal, '62.	talk, and tell us their tastes, or
24	Tu.		{ Alexandria, Va., taken, High	vote on the question of roots or
25	W.		{ Col. Ellsworth kil., '61. <i>Winds.</i>	no roots in the winter storehouse,
26	Th.	Corp. Christi.	☾ in Per.	don't you think they'd go in for
27	Fr.		♀ in Aph. { Bat. of Hanover Ct. House, '62.	a few turnips and mangel-wurzel,
28	Sa.		♂ gr. hel. lat. S.	or a basket of swedes now and
29	B.	1st S. af. Tr.	Low tides.	then? Get the votes ready and
30	Mo.		☽ ☽ ☾. 29th. ☽ ☽ ☾.	try it. Bear in mind, always
31	Tu.		{ Skirm. at Aquia Creek, '61. <i>Finer.</i>	the cleanest ground for roots.

BRIGTH and joyous comes the  
 May, with its fragrance and its  
 flowers, and with it comes the  
 pressing work of the spring. If  
 you look forward to a rich har-  
 vest with gladness of heart, you  
 must expect to work well through  
 May. As you sow so shall you  
 reap. Better be idle four days  
 of winter than one day of May.  
 Spring round, John! Up early,  
 and down late. Run the plough  
 a little deeper. Stick in a seed  
 here and another there. If the  
 crows pull up a hill of corn, or  
 any seed fails to take, don't give  
 it up so. It's of no use to worry  
 or fret, but just set about  
 transplanting from hills that have  
 too many to stand well, or put in  
 a squash or a few rutabagas. By  
 the way, suppose the cows could  
 talk, and tell us their tastes, or  
 vote on the question of roots or  
 no roots in the winter storehouse,  
 don't you think they'd go in for  
 a few turnips and mangel-wurzel,  
 or a basket of swedes now and  
 then? Get the votes ready and  
 try it. Bear in mind, always  
 the cleanest ground for roots.  
 You ought to raise a few carrots  
 for horses. They do well on them  
 when not hard at work, and  
 ought to have a few anyhow.  
 Sow them early — the earlier the  
 better after the ground is ready.  
 Don't let the birds be killed.

1864.

JUNE, sixth Month.

## Astronomical Calculations.

☉'s Declination.	Days. d. m.		Days. d. m.		Days. d. m.		Days. d. m.		Days. d. m.		Days. d. m.			
1	22	N.10	7	22	50	13	23	16	19	23	27	25	23	23
2	22	17	8	22	55	14	23	19	20	23	27	26	23	21
3	22	25	9	23	0	15	23	21	21	23	27	27	23	19
4	22	32	10	23	5	16	23	23	22	23	27	28	23	16
5	22	38	11	23	9	17	23	25	23	23	26	29	23	12
6	22	44	12	23	12	18	23	26	24	23	25	30	23	9

- New Moon, 4th day, 6h. 56m., morning.
- ☽ First Quarter, 12th day, 7h. 4m., morning.
- Full Moon, 19th day, 6h. 10m., evening.
- ☾ Last Quarter, 26th day, 9h. 31m., morning.

Days of Month. Days of the Week.	☉		Length of Days.		Day's Incre.		☽	☽	Full Sea, Boston.		☽'s Place.	☽		☽
	Rises.	Sets.	h.	m.	h.	m.			F.	A.		Morning	Evening	
1 W.	4 25	7 31	15	6 6	2	2 27	8 52	9 20	n'k	2 25	9 32			
2 Th.	4 25	7 32	15	7 6	3	2 28	9 46	10 12	n'k	3 3	10 24			
3 Fr.	4 24	7 32	15	8 6	4	2 29	10 37	11 2	arm	3 47	11 18			
4 Sa.	4 24	7 33	15	9 6	5	2 ●	11 25	11 47	arm	sets.	0 11			
5 SU.	4 23	7 34	15	11 6	7	2 1	—	0 10	br.	8 34	1 4			
6 Mo.	4 23	7 34	15	11 6	7	2 2	0 32	0 54	br.	9 17	1 54			
7 Tu.	4 23	7 35	15	12 6	8	1 3	1 15	1 36	br.	9 53	2 42			
8 W.	4 23	7 35	15	12 6	8	1 4	1 57	2 18	h'rt	10 25	3 28			
9 Th.	4 22	7 36	15	14 6	10	1 5	2 38	2 59	h'rt	10 54	4 12			
10 Fr.	4 22	7 36	15	14 6	10	1 6	3 19	3 39	bel.	11 21	4 54			
11 Sa.	4 22	7 37	15	15 6	11	1 7	4 0	4 23	bel.	11 47	5 36			
12 SU.	4 22	7 37	15	15 6	11	0 8	4 46	5 10	bel.	morn.	6 18			
13 Mo.	4 22	7 38	15	16 6	12	0 9	5 35	6 0	rei.	0 14	7 1			
14 Tu.	4 22	7 38	15	16 6	12	S. 10	6 26	6 53	rei.	0 42	7 46			
15 W.	4 22	7 38	15	16 6	12	0 11	7 21	7 49	sec.	1 12	8 34			
16 Th.	4 22	7 39	15	17 6	13	0 12	8 17	8 45	sec.	1 45	9 25			
17 Fr.	4 23	7 39	15	17 6	13	1 13	9 13	9 41	sec.	2 25	10 20			
18 Sa.	4 23	7 40	15	17 6	13	1 14	10 8	10 35	thi.	3 14	11 18			
19 SU.	4 23	7 40	15	17 6	13	1 ○	11 2	11 27	thi.	rises.	morn.			
20 Mo.	4 23	7 40	15	17 6	13	1 16	11 52	—	kn.	8 14	0 17			
21 Tu.	4 23	7 40	15	17	DEC.	2 17	0 17	0 42	kn.	8 59	1 16			
22 W.	4 24	7 40	15	16 0	1	2 18	1 7	1 32	legs	9 39	2 14			
23 Th.	4 24	7 40	15	16 0	1	2 19	1 57	2 22	legs	10 15	3 10			
24 Fr.	4 24	7 40	15	16 0	1	2 20	2 47	3 11	feet	10 48	4 4			
25 Sa.	4 25	7 40	15	15 0	2	2 21	3 36	4 2	feet	11 20	4 56			
26 SU.	4 25	7 40	15	15 0	2	3 22	4 30	4 58	h'd	11 53	5 47			
27 Mo.	4 25	7 40	15	15 0	2	3 23	5 27	5 57	h'd	morn.	6 37			
28 Tu.	4 26	7 40	15	14 0	3	3 24	6 28	7 0	n'k	0 27	7 28			
29 W.	4 26	7 40	15	14 0	3	3 25	7 31	8 1	n'k	1 4	8 20			
30 Th.	4 27	7 40	15	13 0	4	3 26	8 30	8 59	arm	1 45	9 12			

JUNE hath 30 days.

1864.



\* \* \* Her breath! 't is so like the gentle air of Spring,  
As from the morning's dewy flowers it comes,  
Full of their fragrance, that it is a joy  
To have it round us.

D.	M.	W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	W.		{ N. H. Leg. meets. ♂ ♀ ♀.	As I passed over your grounds last June, I saw the trees covered with the nests of caterpillars, the leaves stripped of half their foliage, and bearing the marks of neglect. It was a sad sight, and, as I looked upon one orchard after another, I said to myself, "Robert B., your words are not heeded. You are getting old. These young farmers don't mind your gray hairs. What's the use talking? Why could n't they've taken a long pole or brush, and poked 'em off in May, as I asked 'em to? 'T would n't take long to do it now, but it's rather late. The mischief is done. It's too bad that such splendid trees should be neglected when it's so easy to take care of 'em! All it wants is a little time and patience. So don't you give it up so, Robert B. Keep a talking. Line upon line. You've done too much in the world to stop now. Die in the harness, old fellow, die in the harness. No matter if they do get up a new almanac now and then—they'll have to have your'n to correct their'n by." And so I rode on, consoled with the thought that it's best to keep a trying. Raise the standard higher and higher, and bring yourself and others as near to it as possible.
2	Th.		{ 1st. Bat. Fair Oaks, near Rich., '62. Showery.	
3	Fr.		♂ ♀ ☾. ♂ ♀ ☾.	
4	Sa.		♂ sta. ☾ runs high.	
5	B.		2d S. af. Tr. High tides.	
6	Mo.		{ Surrender of Memphis, Conf. gunbo. dest., '62. Fine	
7	Tu.		{ C. C. Concord. ♂ ♂ ♀. for some	
8	W.		{ Bat. Cross Keys, Va., '62.	
9	Th.		{ Bat. Mellignano, '59. 13th, 14th. Bat. Winchester, Va., '63.	
10	Fr.		☾ in Apogee. days.	
11	Sa.		St. Barnabas.	
12	B.		3d S. af. Trin. Variable.	
13	Mo.		♂ ♀ ☾. Low tides.	
14	Tu.		{ C. C. Northampton and Greenfield. ♀ sta.	
15	W.		{ 16th. Bat. James Island, near Charleston, S. C., '62.	
16	Th.		{ 17th. Confed. steamer Atlanta, or Fingal, captured, '63.	
17	Fr.		♂ gr. hel. lat. S. Good	
18	Sa.		♂ gr. elon. W. weather.	
19	B.		4th S. af. Tr. ☾ runs l.	
20	Mo.		☉ en-☽. Summer High ti. begins.	
21	Tu.		{ C. C. Worcester. Cavalry Bat., Aldie, Va., '63.	
22	W.		☾ in Per. { 26th. R. Adm. Foote, U.S.N., d., ag. 56, '63.	
23	Th.		{ Longest ♀ in ☽. { 24th. Mid-day. { sum. day.	
24	Fr.		{ 26th. Conf. Lieut. Reed takes U. S. revenue cutter Caleb Cushing from Portland harbor, and blows her up, but is captured.	
25	Sa.			
26	B.		5th S. af. Tr. ♂ ♀ ☾.	
27	Mo.		{ 26th. Gov. of Pa. calls for troops to repl. invas. of Conf. Gen. Lee, '63.	
28	Tu.		{ C. C. Springfield, Dedham. Bat. of Chickahominy, '62.	
29	W.		{ Bat. Peach Orchard, '62. ☐ ♀ ☉. St. Pe.	
30	Th.		{ Bat. Wh. Oak Swamp, Wh. Oak Cr., and Charles City Cross Roads, '62.	

1864.

JULY, seventh Month.

Astronomical Calculations.

☉'s Declination.	Days.		d.		m.		Days.		d.		m.		Days.		d.		m.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	23	N.	5	7	22	32	13	21	44	19	20	44	25	19	31				
	23	0	8	22	25	14	21	35	20	20	33	26	19	18					
	22	55	9	22	17	15	21	26	21	20	21	27	19	4					
	22	50	10	22	10	16	21	16	22	20	9	28	18	50					
	22	44	11	22	2	17	21	6	23	19	57	29	18	36					
	22	38	12	21	53	18	20	55	24	19	44	30	18	21					

- New Moon, 3d day, 7h. 40m., evening.
- ☽ First Quarter, 11th day, 1h. 7m., evening.
- Full Moon, 19th day, 1h. 52m., morning.
- ☾ Last Quarter, 25th day, 4h. 2m., evening.

Days of Month.	Days of the Week.	☉		Length of Days.		Day's Decre.		☉ S.	☽ A.	Full Sea, Boston.		☽'s Place.	☽ R.		☽ Souths.
		Rises. h. m.	Sets. h. m.	h. m.	h. m.	h. m.	h. m.			Morn'g h. m.	Evening h. m.		h. m.	S. h. m.	
1	Fr.	4 27	7 40	15 13	0 4	4 4	27	9 27	9 54	arm	2 30	10 5			
2	Sa.	4 28	7 40	15 12	0 5	4 4	28	10 20	10 44	arm	3 21	10 57			
3	SU.	4 28	7 40	15 12	0 5	4 4	● 11	6 11	28	br.	sets.	11 48			
4	Mo.	4 29	7 39	15 10	0 7	4 4	1	11 48	—	br.	7 53	0 36			
5	Tu.	4 29	7 39	15 10	0 7	4 4	2	0 8	0 28	h'rt	8 25	1 23			
6	W.	4 30	7 39	15 9	0 8	5 3	3	0 48	1 8	h'rt	8 55	2 8			
7	Th.	4 31	7 38	15 7	0 10	5 4	4	1 27	1 46	h'rt	9 24	2 51			
8	Fr.	4 32	7 38	15 6	0 11	5 5	5	2 5	2 24	bel.	9 52	3 33			
9	Sa.	4 32	7 37	15 5	0 12	5 6	6	2 43	3 2	bel.	10 18	4 15			
10	SU.	4 33	7 37	15 4	0 13	5 7	7	3 21	3 41	rei.	10 44	4 57			
11	Mo.	4 34	7 36	15 2	0 15	5 8	8	4 3	4 26	rei.	11 12	5 40			
12	Tu.	4 35	7 36	15 1	0 16	5 9	9	4 50	5 16	rei.	11 44	6 26			
13	W.	4 35	7 35	15 0	0 17	5 10	10	5 44	6 13	sec.	morn.	7 14			
14	Th.	4 36	7 34	14 58	0 19	6 11	11	6 42	7 13	sec.	0 20	8 6			
15	Fr.	4 38	7 34	14 56	0 21	6 12	12	7 45	8 17	thi.	1 3	9 1			
16	Sa.	4 38	7 33	14 55	0 22	6 13	13	8 48	9 18	thi.	1 53	9 59			
17	SU.	4 39	7 32	14 53	0 24	6 14	14	9 48	10 17	kn.	2 52	10 59			
18	Mo.	4 40	7 32	14 52	0 25	6 15	15	10 46	11 12	kn.	4 0	11 59			
19	Tu.	4 41	7 31	14 50	0 27	6 16	○ 11	11 37	—	legs	rises.	morn.			
20	W.	4 42	7 30	14 48	0 29	6 17	17	0 2	0 26	legs	8 13	0 57			
21	Th.	4 43	7 29	14 46	0 31	6 18	18	0 51	1 15	feet	8 47	1 54			
22	Fr.	4 44	7 28	14 44	0 33	6 19	19	1 39	2 2	feet	9 21	2 48			
23	Sa.	4 44	7 28	14 44	0 33	6 20	20	2 26	2 50	h'd	9 55	3 41			
24	SU.	4 45	7 27	14 42	0 35	6 21	21	3 15	3 40	h'd	10 29	4 34			
25	Mo.	4 46	7 26	14 40	0 37	6 22	22	4 6	4 33	n'k	11 5	5 25			
26	Tu.	4 47	7 25	14 38	0 39	6 23	23	5 3	5 33	n'k	11 45	6 17			
27	W.	4 48	7 23	14 35	0 42	6 24	24	6 4	6 36	n'k	morn.	7 9			
28	Th.	4 49	7 22	14 33	0 44	6 25	25	7 8	7 40	arm	0 30	8 2			
29	Fr.	4 50	7 21	14 31	0 46	6 26	26	8 10	8 39	arm	1 19	8 53			
30	Sa.	4 51	7 20	14 29	0 48	6 27	27	9 6	9 32	br.	2 12	9 44			
31	SU.	4 52	7 19	14 27	0 50	6 28	28	9 57	10 21	br.	3 8	10 33			



JULY hath 31 days.

1864.



\* \* \* There was an eloquent voice in all,  
The sylvan pomp of woods, the golden sun,  
The flowers, the leaves, the river on its way,  
Blue skies, and silver clouds, and gentle winds.

P. M.	D. W.	Aspects, Holidays, Events, Weather &c.	Farmer's Calendar.
1	Fr.	{ Bats. Turk. Bend and Boonville, '62. { 1st, 2d, 3d. Bat. Gettysburg, '63.	REV. T. S. KING, in an agricultural address delivered in California, says: "In dealing with land man is called to be a co-worker with the Infinite Mind. <i>This is the foundation of the nobleness of the farmer's office.</i> * *
2	Sa.	♂ ♀ ☾. ☾ in Ap. ☾ runs high.	In fact, we shall not reach the right point of appreciating the eminence of agriculture as a duty, a profession and a trust, until we see that the <i>earth is not yet finished.</i> The Creator has left part of the fashioning to man, or rather waits to work through man in perfecting it. * * Rejoice all you that are called to the dignity and trusts and delights of the farmer and the horticulturist!
3	B.	6th S. af. Tr. ☐ ♀ ☉.	Rejoice that you belong to a class through whom God is finishing his creation, and who are enlarging the divine bounty, and adding to the beauty of the world. Whether an acre, a garden spot, or a section, is under your charge, feel more deeply your commission, be glad in the responsible honor of your lot. Resolve to add to the fertility of your domain. * * Subdue the lust for large farms. If you have fifty acres, and burn to have fifty more, annex fifty that lie <i>beneath</i> what you now own, and gain your title by a subsoil plough. * * Increase the beauty of your homestead by taste." * *
4	Mo.	{ INDEPENDENCE declared, 1776. { Surrender of Vicksburg, '63.	
5	Tu.	{ C. C. Lenox. { 4th. Wh. Oak Swamp B., '62.	
6	W.	♂ in ☽. } 5th. Carthage Bat., '61. <i>Fine.</i>	
7	Th.	☾ in Apo. } White Riv. B. '62. } Cache Riv. B. '62.	
8	Fr.	Winter commences this month in N. Zealand. <i>Great</i>	
9	Sa.	{ Surren. Port Hudson, '63. { 12th. Bat. Rich Mt., '61. <i>heat.</i>	
10	B.	7th S. af. Tr. ♂ in Per.	
11	Mo.	♂ ♀ ☾. ☽ sta. { N. Hope B. '62. } Pl. Hill B., '62.	
12	Tu.	{ C. C. Low tide. <i>Rain.</i> { Salem.	
13	W.	{ Murfreesb. Now to end of Aug. best Bat. '62. time to bud fruit tr's.	
14	Th.	{ Bat. Carnicks- ford, Va., '61. ♂ ♀ ☾.	
15	Fr.	{ Evansville Bat., '62. { Miss. River Bat., '62. ♀ sta.	
16	Sa.	♂ ♀ ♀. ☾ runs low.	
17	B.	8th S. af. Tr. ♂ ♀ ☉ Sup.	
18	Mo.	♂ ♀ ☉ Sup. { 17th. Cynthia Bat., '62.	
19	Tu.	20th. ☾ in Per. Cotton ripe in Pernambuco.	
20	W.	{ Beaver Dam Bat., '62. High tides.	
21	Th.	{ Bull Run Bat., '61. ♂ gr. hel. lat. N.	
22	Fr.	{ Heavy thun. and light storm in Mass., 1853. <i>Warm.</i>	
23	Sa.	{ Bunker Hill Monu- ment complet. '42. <i>Variable.</i>	
24	B.	9th S. af. Tr. ♂ ☽ ☾.	
25	Mo.	{ Dog Day's St. Jas. ♂ ♂ ☾. begin.	
26	Tu.	♀ in Perih. Low tides.	
27	W.	{ 29th. Span. Armada destroyed, 1588. <i>Look</i>	
28	Th.	{ Moore's Mills Bat., '62. <i>out for</i>	
29	Fr.	{ Mt. Sterling Bat., '62. ☾ runs high.	
30	Sa.	{ 29th. Ballinger's Mills Bat., '62. <i>rain.</i>	
31	B.	10th S. af. Tr. <i>Warm.</i>	

1864.

AUGUST, eighth Month.

Astronomical Calculations.

☉'s Declination.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.	Days.	d.	m.
	1	17	N.	51	7	16	14	13	14	28	19	12	33	25	10
2	17		36	8	15	57	14	14	9	20	12	13	26	10	11
3	17		20	9	15	40	15	13	51	21	11	53	27	9	50
4	17		4	10	15	22	16	13	32	22	11	33	28	9	28
5	16		48	11	15	4	17	13	12	23	11	13	29	9	7
6	16		31	12	14	46	18	12	53	24	10	52	30	8	45

- ☉ New Moon, 2d day, 9h. 49m., morning.
- ☽ First Quarter, 10th day, 1h. 13m., evening.
- ☾ Full Moon, 17th day, 8h. 52m., morning.
- ☾ Last Quarter, 24th day, 1h. 20m., morning.

Days of Month.	Days of the Week.	☺		Length of Days.		Day's Decre.		☺ s.	☽ A.	Full Sea, Boston.		☽'s Place.	☽ R. S.		☽ Souths. h. m.
		Rises. h. m.	Sets. h. m.	h. m.	h. m.	h. m.	h. m.			Morning h. m.	Evening h. m.		R. h. m.	S. h. m.	
1	Mo.	4 53	7 18	14 25	0 52	6 29	10 43	11 4	h'rt	4 5	11 20				
2	Tu.	4 54	7 17	14 23	0 54	6	11 23	11 42	h'rt	sets.	0 5				
3	W.	4 55	7 15	14 20	0 57	6 1	—	0 1	h'rt	7 29	0 49				
4	Th.	4 57	7 14	14 17	1 0	6 2	0 19	0 37	bel.	7 55	1 31				
5	Fr.	4 58	7 13	14 15	1 2	6 3	0 55	1 13	bel.	8 21	2 13				
6	Sa.	4 59	7 12	14 13	1 4	6 4	1 32	1 50	rei.	8 48	2 55				
7	SU.	5 0	7 10	14 10	1 7	5 5	2 8	2 27	rei.	9 15	3 37				
8	Mo.	5 1	7 9	14 8	1 9	5 6	2 46	3 6	rei.	9 45	4 21				
9	Tu.	5 2	7 8	14 6	1 11	5 7	3 27	3 50	sec.	10 18	5 7				
10	W.	5 3	7 6	14 3	1 14	5 8	4 14	4 40	sec.	10 56	5 56				
11	Th.	5 4	7 5	14 1	1 16	5 9	5 8	5 39	thi.	11 42	6 48				
12	Fr.	5 5	7 3	13 58	1 19	5 10	6 11	6 45	thi.	morn.	7 44				
13	Sa.	5 6	7 2	13 56	1 21	5 11	7 19	7 52	thi.	0 36	8 41				
14	SU.	5 7	7 0	13 53	1 24	4 12	8 25	8 57	kn.	1 38	9 40				
15	Mo.	5 8	6 59	13 51	1 26	4 13	9 28	9 58	kn.	2 46	10 39				
16	Tu.	5 9	6 57	13 48	1 29	4 14	10 27	10 54	legs	3 59	11 37				
17	W.	5 10	6 56	13 46	1 31	4	11 19	11 43	legs	rises.	morn.				
18	Th.	5 11	6 54	13 43	1 34	4 16	—	0 6	feet	7 18	0 34				
19	Fr.	5 13	6 53	13 40	1 37	3 17	0 30	0 53	feet	7 54	1 29				
20	Sa.	5 14	6 51	13 37	1 40	3 18	1 16	1 40	h'd	8 29	2 23				
21	SU.	5 15	6 50	13 35	1 42	3 19	2 4	2 28	h'd	9 6	3 17				
22	Mo.	5 16	6 48	13 32	1 45	3 20	2 53	3 18	n'k	9 45	4 11				
23	Tu.	5 17	6 47	13 30	1 47	2 21	3 44	4 12	n'k	10 28	5 5				
24	W.	5 18	6 45	13 27	1 50	2 22	4 41	5 11	arm	11 16	5 58				
25	Th.	5 19	6 43	13 24	1 53	2 23	5 42	6 13	arm	morn.	6 50				
26	Fr.	5 20	6 42	13 22	1 55	1 24	6 44	7 15	br.	0 7	7 41				
27	Sa.	5 21	6 40	13 19	1 58	1 25	7 45	8 13	br.	1 2	8 30				
28	SU.	5 22	6 39	13 17	2 0	1 26	8 40	9 6	br.	1 59	9 18				
29	Mo.	5 23	6 37	13 14	2 3	1 27	9 30	9 52	h'rt	2 57	10 3				
30	Tu.	5 24	6 35	13 11	2 6	0 28	10 13	10 34	h'rt	3 54	10 47				
31	W.	5 25	6 33	13 8	2 9	0 29	10 54	11 13	bel.	4 49	11 30				



1864. SEPTEMBER, ninth Month.

Astronomical Calculations.

☉'s Declination.	Days. d. m.			Days. d. m.			Days. d. m.			Days. d. m.			Days. d. m.																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	8 N.	2	7	5	48	13	3	31	19	1	12	25	1	12	25	1	12	25	1	12	25	1	12	25	1	12	25	1	12	25	
	2	7	40	8	5	26	14	3	8	20	0	49	26	1	32	2	7	40	8	5	26	14	3	8	20	0	49	26	1	32	
	3	7	18	9	5	3	15	2	45	21	0	25	27	1	55	3	7	18	9	5	3	15	2	45	21	0	25	27	1	55	
	4	6	56	10	4	40	16	2	22	22	0	N.	2	28	2	18	4	6	56	10	4	40	16	2	22	22	0	N.	2	28	2
	5	6	33	11	4	17	17	1	59	23	0	S.	21	29	2	42	5	6	33	11	4	17	17	1	59	23	0	S.	21	29	2
	6	6	11	12	3	54	18	1	36	24	0	45	30	3	5	6	6	11	12	3	54	18	1	36	24	0	45	30	3	5	

- New Moon, 1st day, 1h. 24m., morning.
- ☽ First Quarter, 9th day, 1h. 6m., morning.
- Full Moon, 15th day, 4h. 25m., evening.
- ☾ Last Quarter, 22d day, 2h. 10m., evening.
- New Moon, 30th day, 5h. 59m., evening.

Days of Month.	Days of the Week.	☉		☽		Length of Days. h. m.	Day's Decre. h. m.	☉ F.	☽ A.	Full Sea, Boston.		D's Place.	☽ R. h. m.	☽ S. h. m.	☽ Souths. h. m.
		Rises. h. m.	Sets. h. m.	Morning h. m.	Evening h. m.										
1	Th.	5 26	6 32	13 6	2 11	0	●	11 31	11 48	bel.	sets.	0 12			
2	Fr.	5 27	6 30	13 3	2 14	1	1	—	0 5	bel.	6 52	0 54			
3	Sa.	5 28	6 28	13 0	2 17	1	2	0 23	0 41	rei.	7 19	1 36			
4	SU.	5 30	6 27	12 57	2 20	1	3	0 59	1 18	rei.	7 48	2 20			
5	Mo.	5 31	6 25	12 54	2 23	2	4	1 37	1 57	sec.	8 20	3 5			
6	Tu.	5 32	6 23	12 51	2 26	2	5	2 17	2 38	sec.	8 57	3 52			
7	W.	5 33	6 22	12 49	2 28	2	6	3 0	3 23	sec.	9 39	4 42			
8	Th.	5 34	6 20	12 46	2 31	3	7	3 48	4 15	thi.	10 28	5 34			
9	Fr.	5 35	6 18	12 43	2 34	3	8	4 43	5 14	thi.	11 25	6 29			
10	Sa.	5 36	6 16	12 40	2 37	3	9	5 48	6 22	kn.	morn.	7 25			
11	SU.	5 37	6 14	12 37	2 40	4	10	6 56	7 30	kn.	0 28	8 22			
12	Mo.	5 38	6 13	12 35	2 42	4	11	8 3	8 36	legs	1 37	9 19			
13	Tu.	5 39	6 11	12 32	2 45	4	12	9 7	9 36	legs	2 49	10 16			
14	W.	5 40	6 9	12 29	2 48	5	13	10 4	10 31	feet	4 4	11 11			
15	Th.	5 41	6 7	12 26	2 51	5	○	10 57	11 21	feet	5 19	morn.			
16	Fr.	5 42	6 6	12 24	2 53	5	15	11 44	—	h'd	rises.	0 7			
17	Sa.	5 43	6 4	12 21	2 56	6	16	0 7	0 30	h'd	7 0	1 2			
18	SU.	5 44	6 2	12 18	2 59	6	17	0 54	1 18	n'k	7 39	1 58			
19	Mo.	5 45	6 0	12 15	3 2	7	18	1 42	2 7	n'k	8 23	2 53			
20	Tu.	5 46	5 59	12 13	3 4	7	19	2 31	2 56	arm	9 11	3 48			
21	W.	5 47	5 57	12 10	3 7	7	20	3 22	3 49	arm	10 3	4 43			
22	Th.	5 49	5 55	12 6	3 11	8	21	4 17	4 46	arm	10 58	5 36			
23	Fr.	5 50	5 53	12 3	3 14	8	22	5 15	5 44	br.	11 54	6 26			
24	Sa.	5 51	5 52	12 1	3 16	8	23	6 14	6 44	br.	morn.	7 15			
25	SU.	5 52	5 50	11 58	3 19	9	24	7 12	7 39	h'rt	0 51	8 1			
26	Mo.	5 53	5 48	11 55	3 22	9	25	8 5	8 31	h'rt	1 49	8 46			
27	Tu.	5 54	5 46	11 52	3 25	9	26	8 55	9 17	bel.	2 47	9 29			
28	W.	5 55	5 45	11 50	3 27	10	27	9 39	10 0	bel.	3 44	10 11			
29	Th.	5 56	5 43	11 47	3 30	10	28	10 20	10 40	bel.	4 41	10 53			
30	Fr.	5 57	5 41	11 44	3 33	10	●	10 59	11 17	rei.	5 38	11 35			



SEPTEMBER hath 30 days.

1864.



Thou comest, Autumn! heralded by rain,  
 With banners, by great gales incessant fanned,  
 Thy royal hand outstretched with benedictions,  
 Blessing the farms through all thy vast domain.

M. D.	W. D.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Th.	{ Chantilly Bat., '62. Britain's Lane Bat., '62.	<i>Good</i> FALL ploughing now calls your
2	Fr.	{ Fairfax C. H. Bat., '62. Whedon B. Plym. B., '62.	attention, if you have got through
3	Sa.	♂ ♀ ☾. 2d. ♂ ♀ ☾.	cutting those drains down there
4	B.	15th S. af. Tr. ♂ ♀ ☾.	in the meadow. You improved
5	Mo.	Dog Days end. <i>Weather.</i>	the driest time for draining the
6	Tu.	{ C. C. Lenox, Greenf., State Elec. Northampt., Lowell, Vermont.	lowlands, of course. By the way,
7	W.	♂ ♀ ☾. { 6th. Washington, N. C., Bat., '62.	don't you know that it pays first-
8	Th.	{ Coldwater Cotton picking in Bat., '62. the Gulf States.	rate to reclaim your swamps, if
9	Fr.	{ Poolesville B., '62. Williamsburg B., '62.	it is properly done? I can name
10	Sa.	{ Gauley ♂ sta. Low tide. B., '62.	a hundred places where the first
11	B.	16th S. af. Tr. <i>Variable.</i>	crop taken has nearly, and in
12	Mo.	{ State Elec. { Cheat Mt., Va., B., '61. Maine. { Augusta Bat., '62.	many of them quite, paid the
13	Tu.	{ C. C. Worcester, gr. hel. Middletown B., '62. ♂ lat. S.	cost of the whole improvement.
14	W.	{ Mumfordsville B., '62. ♂ ♀ ♀. S. Mountain B., '62.	You will find them, if they are
15	Th.	{ Harper's Fer. ☾ in Per. surren., '62.	well "brought to," the most
16	Fr.	♂ ♀ ☾. High ti. <i>Look</i>	fertile and productive parts of
17	Sa.	{ Antietam Bat., '62. Fed. Const. formed, 1787.	the farm. Perfect draining is,
18	B.	17th S. af. Tr. <i>for</i>	of course, at the bottom of it all.
19	Mo.	{ Iuka Bat., '62. 20th. Bat. Lex., Mo., '61.	The harvest is now fairly be-
20	Tu.	{ C. C. Taunton and Dedh. Shepherdstown Bat., '62.	gun, and a jolly time it is. The
21	W.	♂ ♂ ☾. St. Matthew.	luscious fruit, the golden corn,
22	Th.	{ ☉ en- Autumn ☾ runs h. ters begins.	the carts loaded down with po-
23	Fr.	{ Days and nights ♂ ♀ ♀. nearly equal.	tatoes and pumpkins, the barns
24	Sa.	♂ ♀ ☉ Inf. Low tides.	bursting with the bountiful crops,
25	B.	18th S. af. Tr. { 23d. Yel. Med. Bat., '62.	this month and next, ought to
26	Mo.	{ 20th. Desertion of <i>Stormy.</i> Arnold, 1780.	make the farmer's heart swell
27	Tu.	{ Augusta ☾ in Apo. Bat., '62.	with thankfulness and joy. How
28	W.	Spring planting season <i>Fine.</i> in New Zealand.	many of us appreciate it as we
29	Th.	Mich. Day. ♂ ♀ ☉.	ought to? How many of us say
30	Fr.	{ 29th. Warrenton B., '62. Newtonia B., '62.	it is only the pay for our own
			labor, and forget that the show-
			ers and the sunshine, the gentle
			dews and the drying winds, had
			about as much to do with it as we?
			So it goes. The heart never will
			soften at the goodness that scat-
			ters blessings so liberally.

1864.

OCTOBER, tenth Month.

## Astronomical Calculations.

☉'s Declination.	Days. d. m.			Days. d. m.			Days. d. m.			Days. d. m.			Days. d. m.		
	1	3	S.	28	7	5	47	13	8	3	19	10	15	25	12
2	3		52	8	6	10	14	8	26	20	10	37	26	12	43
3	4		15	9	6	33	15	8	48	21	10	58	27	13	3
4	4		38	10	6	56	16	9	10	22	11	20	28	13	23
5	5		1	11	7	18	17	9	32	23	11	41	29	13	43
6	5		24	12	7	41	18	9	54	24	12	1	30	14	2

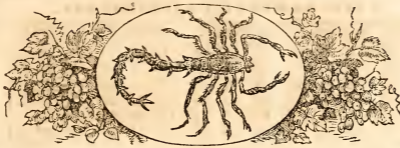
☽ First Quarter, 8th day, 10h. 53m., morning

○ Full Moon, 15th day, 1h. 31m., morning.

☾ Last Quarter, 22d day, 6h. 43m., morning.

● New Moon, 30th day, 10h. 44m., morning.

Days of Month, Days of the Week.	☺		Length of Days.		Day's Decre.		☾	☽	Full Sea, Boston.		☽'s Place.	☽		☽
	Rises. h. m.	Sets. h. m.	h. m.	h. m.	h. m.	h. m.			F.	A.		Morning h. m.	Evening h. m.	
1 Sa.	5 58	5 39	11 41	3 36	11	1	11 35	11 53	rei.	sets.			0 18	
2 SU.	6 05	5 38	11 38	3 39	11	2	—	0 12	sec.	6 24	1 3			
3 Mo.	6 15	5 36	11 35	3 42	11	3	0 31	0 51	sec.	6 59	1 50			
4 Tu.	6 25	5 34	11 32	3 45	11	4	1 11	1 32	sec.	7 39	2 39			
5 W.	6 35	5 33	11 30	3 47	12	5	1 54	2 17	thi.	8 25	3 30			
6 Th.	6 45	5 31	11 27	3 50	12	6	2 40	3 4	thi.	9 18	4 23			
7 Fr.	6 55	5 29	11 24	3 53	12	7	3 29	3 57	kn.	10 17	5 18			
8 Sa.	6 65	5 27	11 21	3 56	13	8	4 26	4 56	kn.	11 21	6 12			
9 SU.	6 85	5 26	11 18	3 59	13	9	5 27	6 0	legs	morn.	7 7			
10 Mo.	6 95	5 24	11 15	4 2	13	10	6 33	7 7	legs	0 29	8 2			
11 Tu.	6 105	5 23	11 13	4 4	13	11	7 40	8 12	feet	1 40	8 56			
12 W.	6 115	5 21	11 10	4 7	14	12	8 42	9 11	feet	2 54	9 50			
13 Th.	6 125	5 19	11 7	4 10	14	13	9 39	10 6	h'd	4 8	10 45			
14 Fr.	6 145	5 18	11 4	4 13	14	14	10 33	10 58	h'd	5 22	11 40			
15 Sa.	6 155	5 16	11 1	4 16	14	○	11 22	11 45	n'k	rises.	morn.			
16 SU.	6 165	5 15	10 59	4 18	15	16	—	0 8	n'k	6 13	0 36			
17 Mo.	6 175	5 13	10 56	4 21	15	17	0 32	0 56	n'k	7 0	1 33			
18 Tu.	6 185	5 11	10 53	4 24	15	18	1 20	1 45	arm	7 51	2 29			
19 W.	6 195	5 10	10 51	4 26	15	19	2 10	2 35	arm	8 46	3 25			
20 Th.	6 205	5 8	10 48	4 29	15	20	2 59	3 24	br.	9 44	4 18			
21 Fr.	6 225	5 7	10 45	4 32	15	21	3 49	4 15	br.	10 42	5 8			
22 Sa.	6 235	5 5	10 42	4 35	16	22	4 41	5 8	h'rt	11 40	5 56			
23 SU.	6 245	4 10	40	4 37	16	23	5 35	6 3	h'rt	morn.	6 42			
24 Mo.	6 255	3 10	38	4 39	16	24	6 30	6 56	h'rt	0 38	7 25			
25 Tu.	6 265	1 10	35	4 42	16	25	7 22	7 48	bel.	1 35	8 8			
26 W.	6 285	0 10	32	4 45	16	26	8 12	8 36	bel.	2 32	8 50			
27 Th.	6 294	58	10 29	4 48	16	27	8 59	9 21	rei.	3 30	9 32			
28 Fr.	6 304	57	10 27	4 50	16	28	9 42	10 3	rei.	4 28	10 15			
29 Sa.	6 314	56	10 25	4 52	16	29	10 25	10 47	rei.	5 27	11 0			
30 SU.	6 334	54	10 21	4 56	16	●	11 7	10 27	sec.	sets.	11 46			
31 Mo.	6 344	53	10 19	4 58	16	1	11 47	—	sec.	5 37	0 35			



Thy shield is the red Harvest Moon, suspended  
 So long beneath the heavens' o'erhanging eaves;  
 Thy steps are by the farmer's prayers attended;  
 Like flames upon an altar shine the sheaves.

M. D.	W. D.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Sa.	Floyd's Fork Bat., '62. High ti.	No month is more beautiful than this. The harvest is bristling in the field, the forests are crimson and golden, teeming with the most gorgeous colors, the bracing air gives its cheering vitality to all animated life, and the world abounds in the luxuriance of vegetable wealth. If we began right in spring, we may now look upon the full fruition, the reward of honest labor. The evenings are growing long, the frost thickens, and whitens the ground, sparkling in the morning sun. Who would not stir round in a bright October morning? And when night shuts in, who would not ask himself, "What have I learned to-day?" Let not the eye and the ear be opened in vain to catch the ever varying forms and sounds of nature; and if we ask aright to penetrate her secrets, we shall not ask in vain. Some experiment begun in spring will now utter its teachings; some idea will be suggested by the crop here, or the failure there. Open the mind to them all, and do not fail to learn even from the printed page, the exhibition of the agricultural society, or the farm journal. You know the old saying, "Live and learn." It is never too late, but do not trust to the fickle future. Now is the time, and let us improve it.
2	B.	Gallatin Bat., '62. 19th S. af. Tr. ♂ in ♀.	
3	Mo.	Olive Hill Bat., '62. Bat. Greenbriar, Va., '61. Rain	
4	Tu.	C. C. Springfield. ♂ ♀ ♀. near.	
5	W.	Hatchie R. { 34th. Corinth B., '62. Bat., '62. } 4th. Newtonia B., '62.	
6	Th.	♂ in Perih. ☾ runs low.	
7	Fr.	Savergne Lambing season in N. Zealand. Bat., '62.	
8	Sa.	Perryville { 9th. First Com. Bat., '62. } Mar. Col., 1642.	
9	B.	20th S. af. Tr. ♂ gr. elon. w.	
10	Mo.	9th. Bat. Santa Rosa Island, Flor., '61. Fine.	
11	Tu.	C. C. Newburyport { Cape Fear R. and Barnstable } Bat., '62.	
12	W.	♀ in ☽. Cotton Picking in S. Car. and Gulf St's.	
13	Th.	Vt. Legis. ♂ ♀ ☾. ☾ in Per. meets.	
14	Fr.	♂ ♀ ☾. Cotton plant still in flower in N. China.	
15	Sa.	Island No. 10 Bat., '62. Unsettled.	
16	B.	21st S. af. Tr. High ti.	
17	Mo.	♂ gr. hel. lat. N. with	
18	Tu.	♂ ♂ ☾. St. Luke Ev.	
19	W.	☾ runs hi. { 18th. Thoroughf. Gap Bat., '62.	
20	Th.	Marshfield Bat., '62. some rain.	
21	Fr.	Lovellsville B. Fort Cobb B. '62. Massacre of Ball's Bluff, '61.	
22	Sa.	Ballinger's Mills B. Maysville B. Pocotalipo B. '62.	
23	B.	22d S. af. Tr. ♂ sta.	
24	Mo.	Morzantown { 23d. Waverley Bat., '62. } Bat., '62.	
25	Tu.	♂ ♀ ♀. ☾ in Apo.	
26	W.	Lababville B., '62. { 25th. Greensville B., '62. } Putnam's Ferry Bat., '62.	
27	Th.	♂ ♀ ♀.	
28	Fr.	St. Sim. and St. Jude.	
29	Sa.	♂ ♀ ☾. ♂ ♀ ☾. Fayetteville Bat., '62.	
30	B.	23d S. af. Tr. Cumberland Bat., '62.	
31	Mo.	R. Isl. Leg. meets at Newport. High tides.	

1864.

NOVEMBER, eleventh Month.

## Astronomical Calculations.

☉'s Declination.	Days. d. m.			Days. d. m.			Days. d. m.			Days. d. m.			Days. d. m.		
	1	14	S.	41	7	16	31	13	18	11	19	19	39	25	20
2	15		0	8	16	48	14	18	26	20	19	53	26	21	6
3	15		19	9	17	6	15	18	42	21	20	6	27	21	17
4	15		37	10	17	22	16	18	57	22	20	19	28	21	27
5	15		55	11	17	39	17	19	11	23	20	31	29	21	37
6	16		13	12	17	55	18	19	25	24	20	43	30	21	47

☽ First Quarter, 6th day, 7h. 9m., evening.

○ Full Moon, 13th day, 0h. 49m., evening.

☾ Last Quarter, 21st day, 2h. 32m., morning.

● New Moon, 29th day, 2h. 33m., morning.

Days of Month.	Days of the Week.	☺		Length of Days.		Day's Decre.		☺	☽	Full Sea, Boston.		☽'s Place.	☽		☽ Souths.
		Rises. h. m.	Sets. h. m.	h.	m.	h.	m.			F.	A.		Morning h. m.	Evening h. m.	
1	Tu.	6 35	4 52	10 17	5 0	16 2	0 7	0 29	thi.	6 23	1 27				
2	W.	6 36	4 51	10 15	5 2	16 3	0 51	1 18	thi.	7 14	2 20				
3	Th.	6 38	4 49	10 11	5 6	16 4	1 37	2 1	kn.	8 11	3 14				
4	Fr.	6 39	4 48	10 9	5 8	16 5	2 26	2 50	kn.	9 14	4 8				
5	Sa.	6 40	4 47	10 7	5 10	16 6	3 15	3 41	kn.	10 21	5 2				
6	SU.	6 41	4 46	10 5	5 12	16 7	4 8	4 37	legs	11 29	5 56				
7	Mo.	6 43	4 45	10 2	5 15	16 8	5 8	5 39	legs	morn.	6 48				
8	Tu.	6 44	4 44	10 0	5 17	16 9	6 11	6 43	feet	0 38	7 40				
9	W.	6 45	4 43	9 58	5 19	16 10	7 14	7 45	feet	1 49	8 33				
10	Th.	6 46	4 42	9 56	5 21	16 11	8 16	8 46	h'd	3 1	9 26				
11	Fr.	6 48	4 41	9 53	5 24	16 12	9 14	9 41	h'd	4 13	10 20				
12	Sa.	6 49	4 40	9 51	5 26	16 13	10 8	10 35	n'k	5 24	11 16				
13	SU.	6 50	4 39	9 49	5 28	15 14	11 1	11 25	n'k	rises.	morn.				
14	Mo.	6 52	4 38	9 46	5 31	15 15	11 49	—	arm	5 36	0 13				
15	Tu.	6 53	4 37	9 44	5 33	15 16	0 13	0 36	arm	6 30	1 9				
16	W.	6 54	4 36	9 42	5 35	15 17	1 0	1 24	br.	7 28	2 4				
17	Th.	6 55	4 35	9 40	5 37	15 18	1 47	2 10	br.	8 28	2 57				
18	Fr.	6 56	4 35	9 39	5 38	15 19	2 33	2 56	br.	9 28	3 48				
19	Sa.	6 58	4 34	9 36	5 41	14 20	3 18	3 41	h'rt	10 27	4 35				
20	SU.	6 59	4 33	9 34	5 43	14 21	4 4	4 28	h'rt	11 25	5 20				
21	Mo.	7 0	4 33	9 33	5 44	14 22	4 52	5 17	bel.	morn.	6 3				
22	Tu.	7 1	4 32	9 31	5 46	14 23	5 42	6 7	bel.	0 22	6 45				
23	W.	7 2	4 32	9 30	5 47	13 24	6 32	6 58	bel.	1 19	7 27				
24	Th.	7 4	4 31	9 27	5 50	13 25	7 24	7 50	rei.	2 17	8 10				
25	Fr.	7 5	4 31	9 26	5 51	13 26	8 15	8 40	rei.	3 15	8 54				
26	Sa.	7 6	4 30	9 24	5 53	12 27	9 4	9 28	sec.	4 14	9 39				
27	SU.	7 7	4 30	9 23	5 54	12 28	9 52	10 16	sec.	5 15	10 28				
28	Mo.	7 8	4 29	9 21	5 56	12 29	10 40	11 3	thi.	sets.	11 19				
29	Tu.	7 9	4 29	9 20	5 57	11 30	11 26	11 48	thi.	5 6	0 12				
30	W.	7 10	4 29	9 19	5 58	11 1	—	0 11	thi.	6 2	1 7				



NOVEMBER hath 30 days.

1864.



Now read from the treasured volume  
The poem of thy choice,  
And lend to the rhyme of the poet  
The beauty of thy voice.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Tu.	♁ ♃ ♄. ♁ ♀ ♄. All Sts. D.	A GREAT many little jobs now need looking after. Don't you see that gate left ajar, and swinging in the wind? A week of neglect will injure it more than months of careful usage. Get a self-fastening latch, and stop its creaking by a little grease. There's another, a little sagged. Don't you see how it drags on the ground, and strikes the post? Better straighten it up now. Let it go so all winter, and ten chances to one you'll have to get a new one in the spring. I like to see things put to rights before winter fairly sets in. Now you've got a grease-pot in your hand, just rub a little into the hinges as well as the latches. "A stitch in time," you know. Look to the stove-pipes. Are they all firm and safe? Are they tolerably free from soot? Many a house has caught fire from burning soot in a windy night. So keep the soot well out of your stove-pipes and your chimneys, if you want to sleep safe and sound these long nights. Take a rainy day, and burn it out, if you can't do it any better. Don't let a door go squeaking on its hinges, when a slight touch of an oiled feather will put an end to it. See that your window-washes slide up and down easily.
2	W.	♁ ♃ ♄. ♁ ♀ ♄. Unpleasant.	
3	Th.	♁ ♃ ♄. ♁ ♀ ♄. ♁ runs l.	
4	Fr.	Res. of Scott, and ap. of McClellan as com. in chief U. S. Army, '61.	
5	Sa.	4th. Harbour Bat., '62. Variable.	
6	B.	24th S. af. Tr. { Garrettsburg Bat., '62.	
7	Mo.	{ Bat. Port Royal S. C., '61. Low tide.	
8	Tu.	{ PRESIDENTIAL ELEC. IN U. S. State Election in Massachusetts.	
9	W.	♁ in ♁. { 8th. Lit. Wash. Bat., '62. Gains' Cross R. Bat., '62.	
10	Th.	♁ ♀ ☉ Sup. ♁ ♃ ♄.	
11	Fr.	♁ in Per. { S. C. senators withd. from U. S. Sen., '60.	
12	Sa.	{ C. C. Edgartown. Rather cool.	
13	B.	25th S. af. Tr. Rain.	
14	Mo.	{ 13th. Bat. Holly Springs, '62. High tides.	
15	Tu.	♁ ♃ ♄. ♀ in Aph.	
16	W.	15th. ♁ runs high.	
17	Th.	Wheat and Barley sown at Malta and South China this month.	
18	Fr.	{ Bat. of New-bern, '62. Fine weather	
19	Sa.	♁ in Aph. for some	
20	B.	26th S. af. Tr. days.	
21	Mo.	♁ ♀ ♃. Oats sown this month in S. C.	
22	Tu.	♁ in Apo. Low tides.	
23	W.	{ Pensacola bombarded, '61.	
24	Th.	{ Cotton pick. about fin. in Gulf Sts. Mason and Slidell ar. Snow,	
25	Fr.	{ at Fort Warren, '61. Best time in the year to prune grape vines.	
26	Sa.	{ Bat. of Cold Knob, '62. or rain.	
27	B.	1st S. in Adv. Fine	
28	Mo.	{ Bat. of Cain Hill, '62. again.	
29	Tu.	♁ ♃ ♄. ♁ ♀ ♄. { Bat. Berryville, '62.	
30	W.	St. And. ♁ runs l. High t.	

1864. DECEMBER, twelfth Month.

Astronomical Calculations.

☉'s Declination.	Days			Days			Days			Days			Days		
	d.	m.		d.	m.		d.	m.		d.	m.		d.	m.	
1	21	56	7	22	43	13	23	13	19	23	26	25	23	23	
2	22	5	8	22	49	14	23	16	20	23	27	26	23	21	
3	22	13	9	22	55	15	23	19	21	23	27	27	23	18	
4	22	21	10	23	0	16	23	22	22	23	27	28	23	15	
5	22	29	11	23	5	17	23	24	23	23	26	29	23	12	
6	22	36	12	23	9	18	23	25	24	23	25	30	23	7	

- ☽ First Quarter 6th day, 2h. 50m., morning.
- ☾ Full Moon, 13th day, 2h. 28m., morning.
- ☾ Last Quarter, 21st day, 0h. 18m., evening.
- ☾ New Moon, 28th day, 4h. 37m., evening.

Days of Month.	Days of the Week.	☀		Length of Days.		Day's Decre.		☉	☽	Full Sea, Boston.		☽'s		☽		☽	
		Rises.	Sets.	h.	m.	h.	m.			F.	A.	Morning	Evening	Place.	R.	S.	Souths.
1	Th.	7 11	4 28	9 17	6 0	11 2	0 34	0 58	kn.	7 5	2 3						
2	Fr.	7 12	4 28	9 16	6 1	10 3	1 22	1 46	kn.	8 12	2 58						
3	Sa.	7 13	4 28	9 15	6 2	10 4	2 11	2 36	legs	9 21	3 53						
4	SU.	7 14	4 28	9 14	6 3	9 5	3 1	3 26	legs	10 31	4 45						
5	Mo.	7 15	4 28	9 13	6 4	9 6	3 51	4 18	feet	11 41	5 37						
6	Tu.	7 16	4 28	9 12	6 5	8 7	4 47	5 17	feet	morn.	6 28						
7	W.	7 17	4 28	9 11	6 6	8 8	5 47	6 18	h'd	0 51	7 19						
8	Th.	7 18	4 28	9 10	6 7	8 9	6 49	7 21	h'd	2 0	8 12						
9	Fr.	7 19	4 28	9 9	6 8	7 10	7 52	8 22	n'k	3 9	9 5						
10	Sa.	7 20	4 28	9 8	6 9	7 11	8 52	9 21	n'k	4 17	10 0						
11	SU.	7 20	4 28	9 8	6 9	6 12	9 49	10 16	arm	5 23	10 55						
12	Mo.	7 21	4 28	9 7	6 10	6 13	10 42	11 7	arm	6 25	11 51						
13	Tu.	7 22	4 29	9 7	6 10	5 14	11 31	11 53	arm	rises.	morn.						
14	W.	7 23	4 29	9 6	6 11	5 15	—	0 15	br.	6 12	0 45						
15	Th.	7 23	4 29	9 6	6 11	4 16	0 37	0 59	br.	7 13	1 37						
16	Fr.	7 24	4 29	9 5	6 12	4 17	1 21	1 42	h'rt	8 13	2 26						
17	Sa.	7 25	4 29	9 5	6 12	3 18	2 3	2 24	h'rt	9 12	3 13						
18	SU.	7 25	4 30	9 5	6 12	3 19	2 44	3 4	bel.	10 10	3 57						
19	Mo.	7 26	4 31	9 5	6 12	2 20	3 25	3 46	bel.	11 7	4 40						
20	Tu.	7 26	4 31	9 5	6 12	2 21	4 8	4 30	bel.	morn.	5 22						
21	W.	7 27	4 31	9 4	6 13	1 22	4 54	5 18	rei.	0 4	6 4						
22	Th.	7 27	4 32	9 5	INC.	1 23	5 43	6 9	rei.	1 1	6 47						
23	Fr.	7 28	4 33	9 5	0 1	0 24	6 36	7 3	sec.	2 0	7 31						
24	Sa.	7 28	4 33	9 5	0 1	S. 25	7 31	7 59	sec.	3 0	8 18						
25	SU.	7 28	4 34	9 6	0 2	1 26	8 27	8 54	sec.	4 0	9 7						
26	Mo.	7 29	4 35	9 6	0 2	1 27	9 22	9 49	thi.	5 0	10 0						
27	Tu.	7 29	4 35	9 6	0 2	2 28	10 16	10 42	thi.	5 59	10 55						
28	W.	7 29	4 36	9 7	0 3	2 29	11 7	11 31	kn.	sets.	11 51						
29	Th.	7 29	4 37	9 8	0 4	3 1	11 55	—	kn.	5 56	0 48						
30	Fr.	7 30	4 38	9 8	0 4	3 2	0 18	0 42	legs	7 6	1 45						
31	Sa.	7 30	4 38	9 8	0 4	4 3	1 7	1 31	legs	8 18	2 40						

DECEMBER hath 31 days. • 1864.



Then, too, the Old Year dieth,  
And the forests utter a moan,  
Like the voice of one who crieth  
In the wilderness alone.

D. M.	D. W.	Aspects, Holidays, Events, Weather, &c.	Farmer's Calendar.
1	Th.	{ C. C. Northampton. Bat. Blackwater, '62. ♂ ♂ ☉.	Now's the time to lay in a good stock of wood for next summer. Don't let it lie long in great sticks. Saw and split it up, and let it be drying. You'll find green wood dried fast is a great deal better than it is if allowed to lie full of sap till half rotten. Give it the wind a few weeks before housing, and it will dry all right. Comfort for the stock in the barn saves flesh and food. If you don't feed at regular times, you make the cattle fret from waiting, and wear off more flesh than a good meal will put on. Now they can't feel easy with half a bushel of dirt sticking to their hair and skin. Keep them clean, therefore; give them warm, well-ventilated, not stifled and close quarters, good food, and enough of it, and pure water in the yard or the barn itself. As to shelter, you know a foot of boards is equal to a pound of beef. Don't try to winter many animals on little food. You can make no greater mistake. You get no growth for the food, and it don't pay just to keep stock alive. A few head of cattle well fed will put on a far greater weight of flesh on the same food, and sell better in the market. But the knell of the year is sounding, and hopefully we bid you adieu.
2	Fr.	{ King George C. H. Bat., '62. ♂ ♀ ☾.	
3	Sa.	{ 4th. J. C. Breckenridge unan. ex- pelled from U. S. Senate, '61.	
4	B.	2d S. in Adv. <i>Variable.</i>	
5	Mo.	{ Coffeerville Bat., '62. ☾ in Per.	
6	Tu.	{ 5th. Gen. Halleck orders arrest of insurgents in Missouri, '61. Hartsville Bat., '62.	
7	W.	{ Crawford's Pra. Bat., '62. ♂ ♀ ☽.	
8	Th.	{ C. C. Greenfield. ♀ gr. hel. lat. S.	
9	Fr.	{ La Vague Pease sown this mo. Bat., '62. in La. and Miss.	
10	Sa.	♀ gr. hel. lat. S. <i>Mild.</i>	
11	B.	3d S. in Adv. ♂ ♂ ☾.	
12	Mo.	Cherries ripe; Summer com.; Sheep Shearing, in New Zealand.	
13	Tu.	♂ ♂ ☾. ☾ runs high.	
14	W.	{ Fredericksb'g Bat., '62. S.W. Creek Bat., '62. Kingston Bat., '62.	
15	Th.	{ Washtwo tows d. 1799. High t. Prince Albert d. '61.	
16	Fr.	{ Tea destroyed in Sta. { Boston har., 1773.	
17	Sa.	{ 18th. Camp near Martinsburg surp. by Gen. Pope—1800 pris. tak., '61.	
18	B.	4th S. in Adv. { Lexington Bat., '62.	
19	Mo.	{ Holly Springs Bat., '62. <i>Fine days.</i>	
20	Tu.	{ Davics Mills Bat., '62. ☾ in Ap. S. C. ord. of sec., '63.	
21	W.	{ en- Wint. St. Thom. day. ♀ begins.	
22	Th.	{ Shortest ♀ gr. elon. Low ti. day. E.	
23	Fr.	{ Shock of Earthquake felt in Maine, '57. ♂ ♀ ☾.	
24	Sa.	{ 2d. C. C. Springt., Wore. and Ips., Salem or Newb't., as ord. by Ct.	
25	B.	Christmas. <i>Stormy.</i>	
26	Mo.	☐ ☽ ☉. St. Stephen.	
27	Tu.	♂ ♀ ☾. St. Jn. Ev. ☾ runs low.	
28	W.	{ S. C. seizes Ft. Moultrie, '61.	
29	Th.	♀ in ☽. ♀ sta. High ti.	
30	Fr.	{ C. C. Dedham. ♂ ♀ ☾.	
31	Sa.	♂ ♀ ☾. ☾ in Per.	

# COURTS.

N. B. — For times and places of holding the Supreme Judicial Court (and the Law Terms of the same), and of the Superior Court of Massachusetts, see page 32. For County Commissioners' Meetings (C. C.) in Mass. see Calendar pages.

## SUPREME COURT OF THE UNITED STATES.

At Washington, to commence on the first Monday in December annually.

Chief Justice and Judges same as in 1858, except Hon. Nathau Clifford, of Maine, appointed instead of Hon. B. R. Curtis, resigned.

UNITED STATES CIRCUIT COURTS IN THE FIRST AND SECOND EASTERN CIRCUITS. — IN MAINE — at Portland, 23d Apr. and 23d Sept. In N. HAMPSHIRE — at Portsmouth, May 8, and at Exeter, Oct. 8. In MASSACHUSETTS — at Boston, May 15 and Oct. 15. In CONNECTICUT — at N. Haven, 4th Tues. in Apr., and at Hartford, 3d Tues. in Sept. In RHODE ISLAND — at Newport, June 15, and at Providence, Nov. 15. In VERMONT — at Windsor, 4th Tues. in July, and at Rutland, Oct. 3. (Corrected 1863.)

UNITED STATES DISTRICT COURTS. — IN MAINE — at Portland, 1st Tues. in Feb. and Dec.; at Wiscasset, 1st Tues. in Sept.; at Bangor, 4th Tues. in June. In N. HAMPSHIRE — at Portsmouth, 3d Tues. in March and Sept.; at Exeter, 3d Tues. in June and Dec. In MASSACHUSETTS — at Boston, 3d Tues. in Mar., 4th Tues. in June, 2d Tues. in Sept., and 1st Tues. in Dec. In CONNECTICUT — at Hartford, 4th Tues. in May and Nov.; at N. Haven, 4th Tues. in Feb. and Aug. In RHODE ISLAND — at Newport, 2d Tues. in May and 3d Tues. in Oct.; at Providence, 1st Tu. in Feb. and Aug. In VERMONT — at Windsor, Mon. after 4th Tu. in July; at Rutland, Oct. 6. (Correct. 1863.)

☞ If any of the days happen on Sunday the Court is to commence on the Monday following.

BOSTON POLICE COURT, for criminal business, every day, at 9 A. M. and 3 P. M., except Saturday, when the afternoon session is omitted; — for civil business, every Saturday, at 9 A. M.; all at the Court House, Court Square, Boston. POLICE COURTS have also been established at New Bedford, Taunton, Salem, Lowell, Lawrence, Worcester, Springfield, Pittsfield, Fall River, Newburyport, Chelsea, Williamstown, Roxbury, Lee, Chicopee, Gloucester, Charlestown.

## COURTS IN THE STATE OF CONNECTICUT.

SUPREME COURTS. — At Hartford, 4th Tues. in Feb., and 2d Tues. in Sept. At Bridgeport, 2d Tues. in Feb. At New Haven, 3d Tues. in Feb., 4th Tues. in Sept. At New London, 2d Tues. in March. At Litchfield, 4th Tues. in April, 3d Tues. in Oct. At Brooklyn, 1st Tues. in Mar., 2d Tues. in Oct. At Middletown, 3d Tues. in Mar. At Tolland, 4th Tues. in Mar., 2d Tues. in Nov. At Danbury, 1st Tues. in Oct. At Norwich, 4th Tues. in Oct. At Haddam, 1st Tues. in Nov.

SUPERIOR COURTS. — At Hartford, 2d Tuesday in March, 3d Tues. in July, 4th Tues. in Sept., and 3d Tues. in Dec. At New Haven, 1st Tues. in March, 2d Tues. in May, 1st Tues. in Sept., 2d

Tues. in Oct., and 3d Tues. in Dec. At Norwich, 1st Tues. in April, 3d Tues. in Nov. At New London, 3d Tues. in Jan., 4th Tues. in Aug. At Danbury, 2d Tues. in Aug. and 3d Tues. in Oct. At Brooklyn, 1st Tues. in Jan., 3d Tues. in Mar., 1st Tues. in Aug., 1st Tues. in Nov. At Litchfield, 4th Tues. in Jan., 2d Tues. in April, 2d Tues. in Sept., and 1st Tues. in Nov. At Middletown, 1st Tues. in Feb., and 1st Tues. in Dec. At Haddam, 2d Tues. in April, and 1st Tues. Sept. At Tolland, 2d Tues. in April, 1st Tues. in Sept., and 1st Tues. in Dec. At Bridgeport, 1st Tues. in Mar., 3d Tues. in Dec. (Corrected 1863.)

COUNTY COURTS. — Abolished in 1855.

## COURTS IN THE STATE OF VERMONT.

SUPREME COURTS. — Middlebury, 1st Mon. aft. 3d Tues. in Jan. Rutland, 1st Mon. aft. 4th Tues. in Jan. Manchester and Bennington, alternately, 2d Tues. aft. 4th Tues. in Jan. Newfane, Mon. following 2d Tues. aft. 4th Tues. in Jan. Woodstock, 4th Tues. aft. 4th Tues. in Jan. Chelsea, 6th Tues. aft. 4th Tues. in Jan. Burlington, 1st Tues. in Jan. St. Albans, 1st Mon. aft. 2d Tues. in Jan. North Hero, 1st Fri. aft. 3d Tues. in Jan. Hyde park, 3d Tues. in Aug. Montpelier, 2d Tues. in Aug. Irasburg, 1st Thurs. next aft. 3d Tues. in Aug. St. Johnsbury, 1st Thursday next aft. 4th Tues. in Aug. Guildhall, 4th Tues. in Aug.

COUNTY COURTS. — Middlebury, 1st Tues. in June, and 2d in Dec. Rutland, 2d Tues. in Mar. and Sept. Manchester, 1st Tues. in June, and Bennington, 1st Tues. in Dec. Newfane, 2d Tues. in April and Sept. Woodstock, 4th Tues. in May, and 1st in Dec. Chelsea, 2d Tues. in Jan. and 3d in June. Burlington, 1st Tues. in April, and 4th in Sept. St. Albans, 2d Tues. in April and Sept. North Hero, last Tues. in Feb. and Aug. Hyde park, 4th Tues. in May, and 1st in Dec. Montpelier, 2d Tues. in Mar. and Sept. Irasburg, 4th Tues. in June and Dec. St. Johnsbury, 1st Tues. in June and Dec. Guildhall, 3d Tues. in Sept. and Mar. (Corrected 1863.)



## COURTS IN THE STATE OF RHODE ISLAND.

**SUPREME COURT.**—At Newport, 3d Mon. in Feb., and 4th Mon. in August. Providence, 4th Mon. in March and Sept. South Kingston, 2d Mon. in Aug., and 1st Mon. in Feb. Bristol, 1st Mon. in March, and 2d Mon. in Sept. East Greenwich, 2d Mon. in March, and 3d Mon. in Sept.

**COURT OF COMMON PLEAS.**—At Newport, 2d Mon. in April and Oct. Providence, 1st Mon. in June and Dec. South

Kingston, 2d Mon. in May, and 1st Mon. in Nov. Bristol, 1st Mon. in May, and last Mon. in Oct. East Greenwich, 2d Mon. in Feb., and 3d Mon. in Aug.

**GENERAL ASSEMBLY.**—There are two sessions; one at Newport, on the last Tuesday in May, for Election and other business, which adjourns to meet at Providence in January following. (Corrected 1863.)

## COURTS IN THE STATE OF NEW HAMPSHIRE.

**SUPREME JUDICIAL COURT.**—**LAW TERMS.**—The Supreme Judicial Court shall hold terms thereof, to be called Law Terms, annually, within the four Judicial Districts, at the times and places following: Exeter, 3d Tues. of June, and Dover, 3d Tues. of Dec., for the counties of Rockingham and Strafford; at Manchester, 1st Tues. of June, and Concord, 1st Tues. of Dec., for the counties of Merrimack and Hillsborough; at Keene, 1st Tues. of July, and Newport, 4th Tues. of Dec., for the counties of Cheshire and Sullivan; at Lancaster, 3d Tues. of July, and Haverhill, Tues. next after 4th Tues. of Dec., for the counties of Grafton and Coös.

**SUPREME JUDICIAL COURT.**—**TRIAL TERMS.**—At Portsmouth, 3d Tues. of Oct., and Exeter, 3d Tues. of January and 2d Tu. of April, for Co. of Rockingham. At Dover, 2d Tues. of Feb., last Tues. of May, and 1st Tues. of Sept., for Co. of Strafford. At Gifford, 4th Tues. of Mar., and the 4th Tues. of Sept., for the Co. of Belknap. At Ossipee, 3d Tues. of April, and 3d Tues. of Oct., for Co. of Carroll. At Concord, 3d Tues. of Aug. and 1st Tues. of Feb., for Co. of Merrimack. At Amherst, 1st Tues. of Sept., Manchester, 1st Tues. of Jan., and at Nashua, 1st Tues. of May, for Co. of Hillsborough. At Keene, 3d Tues. of April and Oct., for Co. of Cheshire. At Newport, 4th Tues. of Jan. and 1st Tues. of Sept., for Co. Sullivan. At Haverhill, 1st Tues. of April and Oct., for the Western Jud. Dist., and at Plymouth, 3d Tues. of May and Nov. for the Eastern Jud. Dist. in Co. Grafton. At Lancaster, 4th Tues. of April and Oct., for Co. of Coös.

**TERMS OF THE PROBATE COURT.**

**ROCKINGHAM Co.:** Exeter, Wed. next after 1st Tues. of Nov. and April, Wed. next after 3d Tues. of Feb., March and Dec., and Wed. next after 2d Tues. of every other month. Portsmouth, 1st Tues.

of Nov., 3d Tues. of March, and 2d Tues. of Jan., May, July and Sept. Plaistow, 1st Tues. of Aug. and Dec., and 3d Tues. of May. Derry, Wed. after 1st Tues. of Aug. and Dec., and Wed. after 3d Tues. of May. Chester, Thurs. after 1st Tues. of Aug. and Dec., and Thurs. after 3d Tu. of May. Deerfield, Frid. after 1st Tues. of Aug. and Dec., and Frid. after 3d Tues. of May. Act of June, 1858.—**STRAFFORD Co.:** Dover, 1st Tues. of Jan., March, May, Aug. and Oct. Rochester, 1st Tues. of July and Dec. Farmington, 1st Tues. of April and Sept. Somersworth, 1st Tu. of Feb., June and Nov.—**BELKNAP Co.:** Gifford, 3d Tues. of every month.—**CARROLL Co.:** Ossipee Corner, 1st Tues. of Mar., June, Sept. and Dec. Conway, 1st Tu. of Jan., Ap., July and Oct. Tamworth, 1st Tues. of Feb., May, Aug. and Nov.—**MERRIMACK Co.:** Concord, 4th Tues. of every month.—**HILLSBOROUGH Co.:** Manchester, 4th Tues. of Jan., Mar., May, July, Sept. and Nov. Nashua, 4th Tues. of Feb., April, June, Aug., Oct. and Dec. Francestown, Frid. after 4th Tues. Jan., April, July and Oct. Amherst, Frid. aft. 4th Tues. Feb., June, Sept. and Dec. Peterborough, Frid. after 4th Tues. of May and Aug. Mason Village, Frid. after 4th Tues. of Mar. and Nov. Act of June, 1859.—**CHESHIRE Co.:** Keene, 1st and 3d Tu. every month.—**SULLIVAN Co.:** Newport, last Wed. of Feb., April, June, Aug., Oct. and Dec. Claremont, last Wed. of Jan., Mar., May, July, Sept. and Nov.—**GRAFTON Co.:** Haverhill, 3d Tues. of Ap. and Oct. Plymouth, 3d Tu. of May and Nov. Canaan, 3d Tu. of June and Dec. Lisbon, 3d Tu. March and Sept. Bristol, 3d Tr. July. Littleton, 3d Tu. Jan. Wentworth, 3d Tu. Feb. and Aug.—**COÖS Co.:** Colebrook, 1st Tu. Sept. Lancaster, 1st Tues. Jan., March, May and Nov. Berlin, 1st Tu. July. (Corrected 1863.)

## COURTS IN THE STATE OF MAINE.

**SUPREME JUDICIAL COURTS. LAW TERMS.**—Bangor, 4th Tues. May. Augusta, 3d Tues. June. Portland, 2d Tues. July.

**SUPREME JUDICIAL COURTS. CIVIL ACTIONS.**—Saco, 1st Tues. Jan. Alfred, 4th Tues. May, and 3d Tues. Sept. Portland, 3d Tues. Jan. and April, and 2d Tues. Oct. Paris, 2d Tues. March, Aug., and Nov. Farmington, 3d Tues. April and October. Norridgewock, 3d Tues. March, Sept., and Dec. Augusta, 1st Tues. March, 3d Tues. August, and 4th Tues. Nov. Wiscasset, 1st Tues. Jan. and Oct., and 3d Tues. April. Belfast, 1st Tues. Jan., May,

and Oct. Bangor, 1st Tues. Jan., April, and Oct. Machias, 1st Tues. Jan. and Oct., and 4th Tues. April. Ellsworth, 4th Tues. April and Oct. Houlton, 2d Tues. March, and 3d Tues. Sept. Dover, last Tues. Feb., and 2d Tues. Sept. Auburn, 4th Tues. Jan., April, and Sept. Bath, 1st Tues. April, and 3d Tues. Aug. and Dec. Rockland, 2d Tues. of Feb., 2d Tues. of May, and 4th Tues. of Oct.

**SUPREME JUDICIAL COURTS. CRIMINAL.**—Portland, 1st Tues. March, last Tues. July, and last Tues. Nov. Bangor, 1st Tues. Feb. and Aug. (Corrected 1863.)

## SUPREME JUDICIAL AND SUPERIOR COURTS IN MASSACHUSETTS. (CORRECTED 1863.)

By an act of the Legislature of Massachusetts, in April, 1859, the Court of Common Pleas throughout the State, the Superior Court for Suffolk County, and the Municipal Court for Boston, were all abolished, and a Superior Court with ten Judges substituted.

**SUPREME JUDICIAL COURT OF MASS. JURY TERMS.** — For Barnstable and Dukes Counties, at Barnstable 1st Tuesday of May. For Berkshire Co., at Lenox, 2d Tues. of May. For Bristol Co., at New Bedford, 2d Tues. of Nov.; also at Taunton, 3d Tues. of April. For Essex Co., at Salem, 3d Tu. of April and 1st Tu. Nov. For Franklin Co., at Greenfield, 2d Tu. of April. For Hampden Co., at Springfield, 4th Tues. of April. For Hampshire Co., at Northampton, 3d Tues. of April. For Middlesex Co., at Lowell, 3d Tues. of April; also at Cambridge, 3d Tues. of Oct. For Nantucket Co., at Nantucket, 1st Tues. of July. For Norfolk Co., at Dedham, 3d Tues. of Feb. For Plymouth Co., at Plymouth, 2d Tues. of May. For Suffolk Co., at Boston, 1st Tues. of October and April. For Worcester Co., at Worcester, 2d Tues. of April.

**LAW TERMS OF SUPREME JUDICIAL COURT OF MASSACHUSETTS.** — A law term of the Supreme Judicial Court shall be held at Boston on the first Wednesday of January of each year, which term may be adjourned, from time to time, to such places and times as may be most conducive to the despatch of business and the interests of the public; and all questions of law, whether arising upon appeal, exception, or otherwise, and from whatever court, shall be therein entered and determined, if the same arise in either of the following Counties: — Essex, Suffolk, Middlesex, Norfolk, Plymouth, Bristol, Barnstable, County of Dukes County or Nantucket.

And law terms of said court shall also annually be held as follows:

At Lenox, for Berkshire Co., 2d Tues. of September.

At Springfield, for Hampden Co., 3d Mon. after 1st Tues. of Sept.

At Northampton, for Hampshire and Franklin Cos., Mon. next after 2d Tues. of Sept.

At Worcester, for Worcester Co., 4th Tues. after 1st Tues. of Sept.

At Plymouth, 3d Tues. of Oct.

At Taunton, 4th Tues. of Oct.

**SUPERIOR COURT OF MASSACHUSETTS.** — For Essex Co., (civil) at Salem, 1st Mon. of June and Dec., at Lawrence, 1st Mon. of March, and at Newburyport, 1st Mon. of Sept.; (crim.) at Lawrence, 4th Mon. of Oct., at Newburyport, 2d Mon. of May, and at Salem, 3d Mon. of Jan.

For Middlesex Co., (civil) at Lowell, 2d Mon. of March and 1st Mon. of Sept., at Concord, 1st Mon. of June, and at Cambridge, 2d Mon. of Dec.; (crim.) at Cambridge, 2d Mon. of Feb., at Concord, 4th Mon. of June, and at Lowell, 3d Mon. of Oct.

For Hampshire Co., at Northampton, (civil) 3d Mon. of Feb., 1st Mon. of June, and 3d Mon. of Oct.; (crim.) 2d Mon. of June and 3d Mon. of Dec.

For Franklin Co., at Greenfield, 3d Mon. of March and 2d Mon. of Aug. and Nov.

For Hampden Co., at Springfield, (civil) 2d Mon. of March and June, and 1st Mon. of Oct.; (crim.) 3d Mon. of May, and 1st Mon. of Dec.

For Berkshire Co., at Lenox, (civil) 4th Mon. of Feb., June, and Oct.; (crim.) 1st Mon. of Jan. and July.

For Norfolk Co., at Dedham, 4th Mon. of April, and 3d Mon. of Sept. and Dec.

For Plymouth Co., at Plymouth, 2d Mon. of Feb. and June, and 4th Mon. of Oct.

For Bristol Co., at Taunton, 2d Mon. of March and Sept., and at New Bedford, 2d Mon. of June and Dec.

For Suffolk Co., (civil) at Boston, 1st Tues. of Jan., April, July, and October; (crim.) at Boston 1st Mon. of every month.

For Barnstable Co., at Barnstable, Tues. next after 1st Mon. of April, and 1st Tues. of Sept.

For Nantucket Co., at Nantucket, 1st Mon. of June and Oct.

For Dukes County, at Edgartown, last Mon. of May and Sept.

For Worcester Co., (civil) at Worcester, 1st Mon. of March, Mon. next after 4th Mon. of Aug., and 2d Mon. of Dec.; and at Fitchburg, 2d Mon. of June and Nov.; (crim.) at Worcester, 3d Mon. of Jan., 2d Mon. of May, and 3d Mon. of Oct.; and at Fitchburg, 2d Mon. of Aug.

## PROBATE AND INSOLVENCY COURTS IN MASSACHUSETTS.

JUDGES. (CORRECTED 1863.)

Suffolk Co., Isaac Ames, Boston.  
Essex Co., Geo. F. Choate, Salem.  
Middlesex Co., W. A. Richardson, Lowell.  
Worcester Co., Henry Chapin, Worcester.  
Franklin Co., Chas. Mattoon, Greenfield.  
Bristol Co., Edm. H. Bennett, Taunton.  
Plymouth Co., Wm. H. Wood, Middleboro'.

Barnstable Co., Jos. M. Day, Barnstable.  
Nantucket Co., Edw. M. Gardner, Nant.  
Dukes Co., Th. G. Mayhew, Edgartown.  
Hampden Co., John Wells, Chicopee.  
Hampshire Co., Sam. F. Lyman, Northam.  
Norfolk Co., Geo. White, Quincy. [Berksh.  
Berkshire Co., James T. Robinson, West

The Courts for Probate business to be held as now provided by law (see p. 33 of this work); and for Insolvency business to be held in the shire towns of the several counties, and at such other places and at such times as decided by the Judges. Both Courts to be held by the same Judge.

## PROBATE COURTS IN MASSACHUSETTS.

**COUNTY OF SUFFOLK.**—At Boston, every Mon. in each month, except July.

**COUNTY OF ESSEX.**—At Salem, 1st Tues. of each month; at Lawrence, 2d Tues. of each month, except April, May, July, Aug. and Oct.; at Gloucester, 2d Tues. of April and Oct.; at Newburyport, 3d Tues. of each month, except March, May, Aug., Sept., and Nov.; at Haverhill, 3d Tues. of May and Nov.; at Ipswich, 3d Tues. of March and Sept.

**COUNTY OF MIDDLESEX.**—At Cambridge, 2d Tues. of each month, except July, and 4th Tues. of Jan., Feb., March, April, Aug., Nov., and Dec.; at Lowell, 1st Tu. of Feb., April, June, Sept. and Dec.; at Concord, 1st Tues. of Jan., March, May, and Oct.; at Groton, 4th Tues. of May and Sept.; and at Framingham, 4th Tues. of June and Oct.

**COUNTY OF WORCESTER.**—At W. Brookfield, 2d Tues. of May and Oct.; at Clinton, 3d Tues. of May and Oct.; at Templeton, Thurs. next after 3d Tues. of May and Oct.; at Barre, Friday next after 3d Tues. of May and Oct.; at Milford, 4th Tues. of May, and Wed. next after 4th Tues. of Oct.; at Uxbridge, 4th Tues. of Oct.; at Fitchburg, Wed. next after 3d Tues. of May and Oct.; and at Worcester, 1st Tues. of every month.

**COUNTY OF HAMPSHIRE.**—At Northampton, 1st Tues. of every month; at Amherst, 2d Tues. of Jan. and Aug.; at Belchertown, 2d Tues. of May and Oct.; and at Chesterfield, 3d Tues. of May and Oct.

**COUNTY OF HAMPDEN.**—At Springfield, 1st Tues. of Jan., Feb., March, April, June, July, and Nov., and 4th Tues. of April, Aug. and Sept.; at Westfield, 3d Tues. of March, June, Sept. and Dec.; at Monson, 2d Tues. of June; and at Palmer, 2d Tues. of Sept.

**COUNTY OF FRANKLIN.**—At Greenfield, 1st Tues. of every month except Nov.; at Northfield, 2d Tues. of May and Sept.; at Orange, 2d Tues. of March and Dec.; at Lock's Village, in Shutesbury, 2d Tues. of July; at Conway, 3d Tues. of May; at Charlemont, 4th Tues. of May; at Shelburne Falls, 2d Tues. of Feb. and 4th Tues. of Oct.

**COUNTY OF BERKSHIRE.**—At Lenox, 1st Tues. of Jan., Feb., March, April, May, June, Sept., Oct. and Dec., 3d Tues. of July, and 2d Tues. of Nov.; at Great Barrington, Wed. next after 1st Tues. of Feb.

and May, next after 3d Tues. of July, and next after 2d Tues. of Nov.; at Lauesborough, 2d Tues. of Jan. and Oct., and 4th Tues. of April and July; at Adams, Wed. next after 2d Tues. of Jan. and Oct., and next after 4th Tues. of April and July.

**COUNTY OF NORFOLK.**—At Dedham, 1st Tues. of every month; at Quincy, 4th Tues. of Feb., May, Aug. and Nov.; at Roxbury, every Saturday, except the 3d, 4th and 5th Sat. of July, and the 1st and 2d Sat. of Aug.; at Wrentham, 2d Tues. of May, Aug. and Nov.; at Medway, 3d Tues. of Feb., June, and Oct.

**COUNTY OF BRISTOL.**—At Taunton, 1st Frid. of March, June, Sept. and Dec.; at New Bedford, 1st Frid. of Feb., May, Aug., and Nov.; at Pawtucket, 1st Tues. of April; at Fall River, 1st Frid. of Jan., April and Oct., and 2d Frid. of July.

**COUNTY OF PLYMOUTH.**—At Plymouth, 3d Mon. of Jan., Feb. and May, 2d Mon. of April and Aug., and 1st Mon. of Dec.; at Scituate, 1st Tues. of June, and last Tues. of Nov.; at Hingham, 1st Tues. of March and last Tues. of Aug.; at East Bridgewater, 1st Tues. of April, July and Oct.; at Bridgewater, last Tues. of Feb.; at North Bridgewater, last Tues. of July; at Middleborough, 1st Tues. of May and Aug., and last Tues. of Oct.; at Wareham, Wed. next after 1st Tues. of May and Nov.; at Abington, 2d Mon. of Jan.; and at Hanover, last Mon. of Sept.

**COUNTY OF EARNSHABLE.**—At Barnstable, 2d Tues. of Jan., Feb., March, Aug., Sept. and Dec. and 3d Tues. of May and June; at Sandwich, 2d Tues. after 1st Mon. of Nov.; at Falmouth, 2d Wed. after 1st Mon. of Nov.; at Harwich, 3d Mon. of April and last Mon. of Oct.; at Brewster, Tues. next after 3d Mon. of April; at Dennis, Thurs. next after 2d Tues. of Oct.; at Orleans, Wed. next after 3d Mon. of April, and Tues. next after last Mon. of Oct.; at Wellfleet, Wed. next after last Mon. of Oct.; at Truro, Thurs. next after 3d Mon. of April; and at Provincetown, Frid. next after 3d Mon. of April, and Thurs. next after last Mon. of Oct.

**DUKES COUNTY.**—At Holmes' Hole village, in Tisbury, on the 3d Mon. of April, and 1st Mon. of Sept.; at Edgartown, 3d Mon. of Jan. and July, and 1st Mon. of March and Dec.; and at West Tisbury, 1st Mon. of June, and 3d Mon. of Oct.

**COUNTY OF NANTUCKET.**—At Nantucket, 1st Tues. of every month.

(CORRECTED 1863.)

**TIME TO CUT SCIONS.**—“Grafts” or scions may be taken off any time in or after November, till the buds begin to swell in spring. Cut them from well ripened and thrifty shoots of the last year's growth, and from vigorous, healthy trees. If cut previous to the time of setting, they should be kept in a cool, damp place.

## ABOUT ROOTS.

THE root crop requires great labor, unless both the ground and the manure are very free from weed-seeds. But they form a most excellent and important article of feeding for stock, especially as an occasional change from other food. No farmer, therefore, can afford to neglect them. Ruta bagas and the English turnips are best fed out in the early part of winter. The mangel wurzel should be kept till later, say as late as March, before being used.

**RUTA BAGAS.** — At eighteen inches apart, in drills, or in ridges, three quarters of a pound of ruta бага seed is enough for an acre. About a pound is usually allowed on an average. Skirving's King of the Swedes is one of the latest varieties.

**MANGEL WURZEL.** — The varieties of mangels most cultivated here are the Long Red, the Yellow Globe, and the Long Yellow. The Long Red is a very hardy root, and keeps well. It grows fast, and is usually very productive. The flesh is sometimes marbled or mixed, varying very greatly, from almost uniform red to nearly white; but the color does not affect the quality of the root. The Yellow Globe is about ten inches in diameter when fully grown, and often weighs from ten to twelve pounds. The part under ground has a yellow skin, but above ground it becomes nearly brown. The flesh is white, marked with yellow, fine-grained and sweet. The leaves are not very large, and stand erect. This is one of the most productive of all the varieties of beet, and is very excellent for stock of all kinds. It keeps sound and fresh late into the spring, and does not sprout as early as many other varieties. It is well adapted to hard and shallow soils. Yield from thirty to forty tons, according to soil and culture. Sow, like the long reds, in drills eighteen or twenty inches apart, and thin out to ten inches in the drills. About three or four pounds of seed are required per acre. Sow from the 1st of May to the 1st of June. Early sowings are most productive. It can be harvested with the common plough.

The **LONG YELLOW** is a very productive variety. The roots are not smooth, but often forked into many branches. It is excellent for dairy stock, giving a rich color to the milk produced from it.

The **WHITE SUGAR BEET** is a valuable variety, much grown in this country for feeding to stock, very good for the table, and, when young, tender, well-flavored and sweet. It is cultivated like the Long Red Mangel, that is, sown from the middle of April to the last of May, in drills eighteen inches apart, thinned to ten inches in the drills, on deep, rich, mellow land.

## SHEEP FARMING.

No branch of farming promises to pay better for the next ten years than the keeping of sheep, if the management is judicious. It will, of course, require judgment on the part of those who engage in it without previous experience.

What sheep shall we keep? Shall they be fine wool or coarse? Shall we make wool the primary object, or the raising of mutton and lamb for the market? These questions will be answered according to circumstances. If in a hilly section, and with short pastures, remote from market, we may come to the conclusion that fine wool pays as well, or better; for it costs little to transport wool to considerable distances. Here wool will become the primary object, and the carcass secondary. If nearer a good market, with pastures richer, and capable of carrying a large animal, long or middle wools, or in other words, a mutton sheep will pay better. The west, for instance, with its boundless prairies, or Texas, with its rolling table lands, can send us wool at a very trifling cost per pound, and we cannot, in the long run, expect to compete with them. But the west can hardly compete with the New England farmer in raising mutton and lamb to supply our eastern markets. Location, therefore, is suggestive of the course we shall adopt.

Then, as to the comparative merits of the different classes, the coarse or



middle woolled sheep are better adapted to beginners, since they are more easily raised. They are usually far better nurses, and the lambs are stronger, and can be got ready for market, often, at three or four months, to be sold at a high price. But it is an art by itself, almost, to raise merino lambs successfully. If the ewe owns her young, which she is very likely to refuse to do, ten chances to one against her having milk for it, particularly yearlings, or ewes coming two years old. Besides, the larger sized sheep are less likely to be unruly, and require less outlay for fencing. Both classes pay well, no doubt, under proper management.

Among the mutton-producing sheep, the south downs rank very high, and, for early maturity and profit, they are hard to beat. The cotswolds are very large, and require generous keep to bring them to a high state of perfection; but they are a very useful breed, and, for their size and the high quality of their mutton, deservedly popular. The Oxfordshire downs are not very unlike the cotswolds. They make an excellent cross with our native sheep. Of the fine wools, the merino is unsurpassed. It is a source of great profit to the farmers of western Massachusetts, Vermont and New Hampshire, and there is a large infusion of merino blood in the flocks of Maine.

Sheep require good shelter in winter and careful feeding. Root crops constitute an important means of keeping them in condition, particularly towards the latter part of winter. Do not confine sheep to close yards any longer than is absolutely necessary. Do not overstock a sheep pasture. If the ground is shaved bare it will be injured. Do not let sheep run down in flesh. No animal is so hard to bring up into thrifty condition again. Sheep should be in high condition at the beginning of winter, and kept up. If poor in November and December, they will remain poor the best you can do. Oats make lambs grow rapidly. It is less necessary to cut hay for sheep than for most other kinds of stock. It is important to avoid a sudden and radical change in the mode of feeding, as the wool is injured by it.

### TRANSPLANTING.

The question is often asked whether spring or fall is the best time for transplanting trees and shrubs. My opinion is that the choice may be controlled by circumstances. If trees are properly set out, they are pretty sure to live at either season. The fall has the advantage of being a more leisure time. In the spring everything is hurried, and the work is too apt to be slighted. The manner has more to do with the success of transplanting than the season; and the maxim, that what is worth doing at all is worth doing well, applies especially to tree culture.

### INSTITUTE OF TECHNOLOGY.

The success of this important institution is now a fixed fact. Through the strenuous efforts of its president, Prof. W. B. Rogers, and the liberality of the State and individuals, the funds of the Institute are ample for its immediate wants, and measures are now in progress to enlarge its sphere of action, by the erection of a commodious building on the Back Bay lands in Boston, in close proximity to the new and elegant building erected by the Boston Society of Natural History.

The Institute of Technology will soon offer ample facilities for instruction in the arts and sciences, embracing the requisite appliances of museums or collections designed to illustrate the practical arts, a school of design, etc. We heartily congratulate the people of Massachusetts and of New England on the prospect of complete success, and the promise of great usefulness to the public which the prosperity of this enterprise now offers. It cannot fail to be useful to all classes of the community, and will receive a large measure of public appreciation.

## THE DOMINICAL LETTERS, AND HOW TO MAKE SOMETHING OUT OF THEM.

THE Dominical Letter for any given year is the letter usually placed in our Almanacs against Sunday. For this purpose the first seven letters of our alphabet are taken, and they vary annually for a definite number of years. The reason of this may be shown in a few words. A common Gregorian year consists of 365 days. Now, if this sum be divided by 7, the number of days in a week, the quotient will be 52 and 1 remainder. If there were no remainder, it is obvious, our years, in regular succession, would always commence on the same day of the week. But, since there is 1 remainder, every *common* year commences and ends on the same day of the week; that is, the commencement of every common year is carried forward one day in the weekly account. It is plain, therefore, if all years were common years, that is years of 365 days, the seven letters, taken in a retrograde order, would complete a circle in seven years, and repeat themselves perpetually. But every fourth year, except the excluded centesimal years, is a leap year, consisting of 366 days. A year, therefore, immediately following a leap year, comes in two days later in the weekly account, and the Dominical letters fall back two in the series. The order of recurrence is, therefore, interrupted once in four years, and, necessarily, leap years have *two* Dominical letters,—one for January and February, in which last month the intercalation takes place, and another for the remainder of the year. If, then, we know the Dominical letter for any given year, we can tell on what day of the week such year did or will come in. But as there are not always calendars or tables at hand to show this, there should be some *rules* for determining the Dominical letter for all time, and such there are. The following, for the current century, will be found easy of recollection: Add one fourth to the given year, omitting fractions, and divide the sum by 7. If nothing remains, the Dominical letter is A. If there be a remainder, subtract it from 8, and the remainder will indicate *numerically* which of the seven is Dominical letter.

EXAMPLE. — Suppose we wish to determine the Dominical letter for 1864.

Add to the given year one quarter, viz.,	1864	
	466	
Divide by	7) 2330	8
	332	6
		2

Here, on the division by 7 there is a remainder of 6, which subtracted from 8 leaves 2, which 2 represents the *second* letter in the Dominical alphabet, namely, B, and B is the Dominical letter for 1864. But this year being leap year, B applies only to the months *after* February. For January and February the next letter, namely, C, is the Dominical letter. It is not within the scope of this article to explain why the last remainder is subtracted from 8. Our young readers will find it a pleasant exercise to work out for themselves the true solution.

Having now the means of determining the Dominical letter, it becomes easy to find on what day of the week any month has fallen or will fall. But, to avoid in part the mental labor, the whole process has been transferred to the fingers, under the name of

### THE HAND ALMANAC.

Let it be understood that the same *Sunday* letters invariably adhere to the same days each and all the months respectively. The first day of January is always represented by A, the second day by B, and so on; the first day of February by D; the first day of March by D, also; the first day of April by G; the first day of May by B; the first day of June by E; the first day of July by G; the first day of August by C; the first day of September by F; the first day of October by A; the first day of November by D, and the first day of December by F.

Suppose twelve words so arranged that their initial letters correspond with the order of the letters just named. The words themselves are noth-

ing ; their initial letters possess all the importance they are endowed with. They are the following :

At Dover Dwells George Brown, Esquire,  
Good Christian Friend And David Friar.

The initials of these twelve words answer to the Dominical letters which belong to the first day of each month, in their order, beginning with Jan.

Now, suppose it were important to ascertain on what day of the week the first day of June will fall in the year 1875. By the rule above given C will be found to be the Dominical letter for 1875. Count the months off on the fingers of the left hand, calling the little finger Jan., the next Feb., the next March, the next April, the thumb May, and then, returning to the little finger, call that June. Here stop, for June is the month sought.

Now begin again at the little finger, and say "At"; then pass to the next, and say "Dover"; the next call "Dwells"; and so on till the little finger is reached, which will be represented by "Esquire," and here stop, as this little finger represents June, remembering that the initial letter of Esquire is E. Begin now with Dominical letter for 1875, which is C, and, touching the little finger, call it C; call the next finger D; the next E, and here stop, for this E corresponds with the E initial in Esquire. Remember, also, the finger on which this E rests.

Return now to the little finger, and call it Sunday; pass to the next, and call it Monday; the next call Tuesday, and here stop, for here we stopped when reading off the Dominical letters. Tuesday, then, we have found by the process, and the first day of June, 1875, will be Tuesday.

Having found the day of the week on which any month falls, any given day of the month in question may be found by a slight mental operation.

### AGRICULTURAL COLLEGES.

THE National Government has come forward with the liberal proposition to give each State thirty thousand acres for each member of Congress, for the purpose of enabling the States to establish Agricultural Colleges. That would give Massachusetts three hundred and sixty thousand acres, which the Legislature, at the last session, took measures to secure. An act of incorporation was passed, and measures will be taken to make the public lands available as soon as practicable.

Much good will no doubt result from a well-conducted Agricultural College; but we must have patience, and not fix our expectations too high. It takes time to work out great results, and it would be unreasonable to expect a revolution in our practical farming.

### FOOD OF HORSES.

THE best food for roadsters in this country (says a recent report on horses submitted to the Massachusetts State Board of Agriculture), consists of hay, oats and carrots or grass, with a moderate supply of water. The quantity of hay depends upon the size and work of the horse, but there is more danger of giving too much than too little. From eight to ten pounds of the best and sweetest hay is an abundant daily allowance. The oats should be of the best quality, the quantity varying from eight to twelve quarts per day. One or two quarts of corn meal will be a valuable addition to the daily food of such horses as are inclined to leanness. Corn alone is too heating, and produces more fat than muscle, and rye is thought to be very dangerous food for roadsters, inducing a condition which often results in founder, especially of the feet. Four to eight quarts of carrots, fed to a horse daily, improve the digestion, prevent diseases of the respiratory organs, etc. Salt should not be given on the food, but should be offered to the horse once a week, or a lump may be kept in his manger. They should also be allowed access occasionally to chalk, ashes or common earth, which are said to be preventives of cribbing, wind-sucking, etc.

## USEFUL FACTS AS TO WEIGHTS, MEASURES, ETC.

**COAL.** — Coal put into bins and levelled can be measured, from 1 to 1000 tons, with as much accuracy as it can be weighed on scales. For instance, Lehigh white ash coal, per ton of 2000 lbs., of the egg or stove size, will uniformly measure  $34\frac{1}{2}$  feet cubical, while white ash Schuylkill coal will measure 35, and the pink, gray and red ash will reach 36 cubic feet per ton of 2000 lbs., or 40 feet for 2240 lbs., the difference of cubical contents between a net and gross ton being exactly 4 feet. The length, breadth and height of the bin multiplied together, and divided by the aforementioned contents of a ton, must show the number of tons therein.

**FARM PRODUCE.** — *Rules of Measure practised and adopted by the State Board of Agriculture of Massachusetts.* — Wheat, Potatoes, Sugar Beets, Mangel Wurzel, Ruta-Bagas, White Beans and Pease, 60 lbs. to the bushel; Corn, Rye, 56; Oats, 32; Barley, Buckwheat, 48; Cracked Corn, Corn, Rye and other meal, except Oat, and English Turnips, 50; Parsnips, 45; Carrots, 55; Onions, 52.

**A BUSHEL MEASURE.** — The legal bushel of America is the old Winchester measure of 2,150.42 cubic inches. The imperial bushel of England is 2,218.142 cubic inches; so that 32 English bushels are about equal to 33 of ours. Although we are all the time talking about the price of grain, etc., by the bushel, we sell by weight. A hoop  $18\frac{1}{2}$  inches diameter, 8 inches deep, holds a Winchester bushel. A heaping Winchester bushel is 2,747.7 cubic inches.

**A GALLON MEASURE.** — An English imperial gallon is 10 lbs. of distilled water at  $62^{\circ}$  Fah., when the barometer stands at 30. This is 277.274 cubic inches. The old wine measure in use here is 231 inches; and "beer measure" 282 inches.

**LAND MEASURE.** — An English imperial acre is 4,840 square yards, or 160 square rods. A square, 13 rods upon each side, is commonly counted an acre; it is nine rods over measure. A square acre is 43,560 square feet. A square mile, or section, is 640 square acres. The size in square yards of acres in different countries, is as follows: English acre, 4,840 square yards; Scotch, 6,150; Irish, 7,840; Hamburg, 11,545; Amsterdam, 9,722; Dantzic, 6,650; France (hectare), 11,960; Prussia (morgen), 3,053. This difference should be borne in mind in reading of the products per acre in different countries.

**BOARD MEASURE.** — Boards are sold by superficial measure, so much per foot of one inch or less in thickness, adding one-fourth to the price for each quarter inch thickness over an inch.

**GRAIN MEASURE IN BULK.** — Multiply the width and length of the pile together, and that product by the height, and divide by 2,150, and you have the contents in bushels. If you wish the contents of a pile of ears of corn, or roots in heaped bushels, ascertain the cubic inches, and divide by 2,747.7.

**A TON WEIGHT.** — A ton is 2000 lbs. In most places, a ton of hay, etc., is 2240 lbs., and in some places that foolish fashion still prevails of weighing all bulky articles sold by the ton, by the "long weight," or tare of 12 lbs. per cwt. A ton of round timber is 40 cubic feet; of square timber, 54 cubic feet. "A quarter" of corn, or other grain sold by the bushel, is 8 imperial bushels, or a quarter of a ton. A Tun, of liquid measure, is 252 gallons.

**THE STONE WEIGHT,** so often spoken of in English measure, is 14 lbs. when weighing wool, feathers, hay, etc.; but a stone of beef, fish, butter, cheese, etc., is only 8 lbs.

**HAY.** — In England, a truss, when new, is 60 lbs., or 56 of old hay. A truss of straw, 40 lbs. A load of hay is 36 trusses. In this country, a load is just what it may happen to weigh; and a ton of hay is either 2000 lbs. or 2240, according to the custom of the locality. A bale of hay is generally considered about 300 lbs., but there is no regularity in the weight. A cube of a solid mow, 10 feet square, will weigh a ton.



## POETRY, ANECDOTES, ETC.

## HASTE NOT!

WALTER'S JOURNAL IN THE EAST.

Without haste! without rest!  
 Bind the motto to thy breast;  
 Bear it with thee as a spell;  
 Storm or sunshine, guard it well!  
 Heed not flowers that round thee bloom,  
 Bear it onward to the tomb!

Haste not! let no thoughtless deed  
 Mar for aye the spirit's speed;  
 Ponder well and know the right,  
 Onward then with all thy might:  
 Haste not! years can ne'er atone  
 For one reckless action done.

Rest not! life is sweeping by;  
 Do and dare before you die;  
 Something mighty and sublime  
 Leave behind to conquer time!  
 Glorious 'tis to live for aye  
 When these forms have passed away!

Haste not! rest not! calmly wait;  
 Meekly bear the storms of fate!  
 Duty be thy polar guide—  
 Do the right whate'er betide!  
 Haste not! rest not! conflicts past,  
 God shall crown thy work at last.

## RESPECT FOR AGE—MANNERS.

DEWEY'S OLD WORLD AND NEW.

Heaven avert that the rising generation  
 among us should lose that most beautiful  
 trait of youth, modesty, deference, respect  
 for age, respect for superiors! Let the  
 manners of a nation want this—let a peo-  
 ple become ill-bred, coarse and vulgar—  
 let especially the youth of a country be  
 growing more forward and presumptuous,  
 and let there be no sense, or refinement,  
 or moral sensibility sufficient to put a  
 check upon it; and vainly would such a  
 nation claim our respect, though the sound  
 of liberty were in every breeze, and parch-  
 ment constitutions were piled to every  
 roof-tree.

## THANKSGIVING—PUMPKIN PIE.

J. G. WHITTIER.

Ah!—on Thanksgiving Day, when from  
 East and from West,  
 From North and from South, come the pil-  
 grim and guest,  
 When the gray-haired New Englander sees  
 round his board  
 The old broken links of affection restored,  
 When the care-wearied man seeks his  
 mother once more,  
 And the worn matron smiles where the  
 girl smiled before;  
 What moistens the lip, and what brightens  
 the eye,  
 What calls back the past like the rich  
 Pumpkin Pie?

Many friends are lost by ill-timed jests.

## LACONIC SWORD PRESENTATION.

The New Albany (Ind.) Ledger states  
 that a rather laconic sword presentation  
 took place at Camp Noble a while since.  
 A member of the 66th Regiment purchased  
 a sword for Captain Gerard, and Capt. J.  
 H. Fawcett was deputed to present it.  
 This the captain did, as follows: "Here,  
 John, is a sword." Capt. Gerard took it,  
 and replied: "Thank you; I'll see you  
 again about it after I have tried it." The  
 presentation and reply were both to the  
 point.

## THE NEWSPAPER.

J. V., IN CHRISTIAN REGISTER.

In this one sheet how much for thought  
 profound,  
 How much for feeling deep doth meet  
 the eye!  
 Here man's decease, here empire's fate is  
 found,  
 And yet with careless glance we pass  
 them by!  
 Perchance upon one page enough we find  
 On which through a long life we well  
 might muse;  
 But oft with husks we fill the hungry mind,  
 When men the gifts of speech and thought  
 abuse.

Not in the many words, or books we read  
 Is knowledge gained of Nature, or of  
 man;  
 Oft in a single word lies wrapt the seed  
 Of changes vast, would we its meaning  
 scan;  
 But lacking still the wisdom to be wise,  
 The Truth we seek is hidden from our eyes.

## HERE, GIRLS, READ THIS!

Girls must think and talk less of matri-  
 mony. If they will look upon marriage as  
 the height of worldly aspiration, as the  
 grand source of earthly happiness, we can  
 tell them of a better way to reach that goal  
 than by frequent discussions of the theme.  
 Let them seem, by assiduously cultivating  
 the graces of life, by attention to the needs,  
 tastes and happiness of their associates, to  
 forget their own personality. Let them  
 cultivate cheerfulness, physical health, in-  
 dustry, and the Christian graces springing  
 from conscientious devotion to duty, and  
 they are sure to become the objects of that  
 solid admiration which recommends them  
 for wives and mothers.

## THE SOLDIER.

BURNS.

For gold the merchant ploughs the main,  
 The farmer ploughs the manor;  
 But glory is the soldier's prize;  
 The soldier's wealth is honor;  
 The brave poor soldier ne'er despise,  
 Nor count him as a stranger;  
 Remember he's his country's stay  
 In day and hour of danger.

## CONTENTS OF A TABLE DRAWER.

Three aprons, two dusters, the face of a pig,  
 A dirty jack-towel, a dish-clout and wig ;  
 The foot of a stocking, three caps and a frill,  
 A busk and six buttons, mouse-trap and quill ;  
 A comb and a thimble, with Madonna bands,  
 A box of specific for chaps on the hands ;  
 Some mace and some cloves, tied up in a rag,  
 An empty thread paper, and glue in a bag ;  
 Some pieces of ribbon both greasy and black,  
 A grater and nutmeg, an old almanac ;  
 An inch of wax candle, a steel and a flint,  
 A bundle of matches, a parcel of mint ;  
 A lump of old suet, a crimp for the paste,  
 A pair of red garters, a belt for the waist ;  
 A bag for the pudding, a whet-stone and string,  
 A penny cross-bun and a new curtain ring ;  
 Two leaden teaspoons, a large lump of rosin,  
 The feet of a hare, and corks by the dozen ;  
 A card to tell fortunes, a sponge and a can,  
 A pen without ink, and a small patty pan ;  
 A rolling-pin pasted, a common prayer-book,  
 Were the things which I found in the drawer of a cook.

## GENTLEMANLY LADIES.

## ALBANY ARGUS.

In a railroad car the seats were all full except one which was occupied by a pleasant-looking Irishman, and at one of the stations a couple of evidently well-bred and intelligent young ladies came in to procure seats. Seeing none vacant, they were about to go into the back car, when Patrick arose hastily and offered them his seat with evident pleasure. "But you will have no seat for yourself," responded one of the young ladies with a smile, hesitating with true politeness to accept it. "Never you mind that!" said the gallant Hibernian, "ye'r welcome to it. I'd ride upon the cow-catcher to New York, any time, for a smile from such *jintlemanly* ladies!" and he retired hastily into the next car, amid the cheers of his fellow-passengers.

## GOD BLESS OUR NATIVE LAND.

God bless our native land ;  
 Firm may she ever stand,  
 Through storm and night !  
 When the wild tempests rave,  
 Ruler of wind and wave,  
 Do Thou our country save  
 By Thy great might !  
 For her our prayer shall rise  
 To God above the skies ;  
 On Him we wait.  
 Lord, hear our nation's cry,  
 Be Thou forever nigh,  
 May Freedom never die ;  
 God save the State !

## THE AMERICAN FLAG.

The American flag is one of the most beautiful that floats upon any land or sea. Its proportions are perfect when it is properly made — one half as broad as it is long. The first stripe at the top is red, the next white, and these colors alternate, making the last stripe red. The blue field for the stars is the width and square of the first seven stripes, viz., four red and three white. The colors of the American flag are in beautiful relief, and it is altogether a beautiful national emblem. Long may it wave untarnished ! He who would erase one stripe, or dim one star upon it, "acts a traitor's part, and deserves a traitor's doom."

## GOD SPEED THE PLOUGH.

God speed the ploughshare ! tell me not  
 Disgrace attends the toil  
 Of those who plough the dark-green sod,  
 Or till the fruitful soil.  
 Why should the honest ploughman shrink  
 From mingling in the van  
 Of learning and of wisdom, since  
 'T is mind that makes the man ?  
 God speed the ploughshare ! and the hands  
 That till the fruitful earth !  
 For there is in this world so wide  
 No gem like honest worth ;  
 And though the hands are dark with toil,  
 And flushed the manly brow,  
 It matters not, for God will bless  
 The labors of the plough.

## SALUTATIONS.

"How do you do?" That's English and American. "How do you carry yourself?" That's French. "How do you stand?" That's Italian. "How do you find yourself?" That's German. "How do you fare?" That's Dutch. "How can you?" That's Swedish. "How do you perspire?" That's Egyptian. "How is your stomach?" "Have you eaten your rice?" That's Chinese. "How do you have yourself?" That's Polish. "How do you live on?" That's Russian. "May thy shadow never be less!" That's Persian. All mean much the same thing.

## RETRIBUTION.

## LONGFELLOW.

Though the mills of God grind slowly,  
 Yet they grind exceeding small ;  
 Though with patience He stands waiting,  
 With exactness grinds He all.

## THE HEN'S MEASURE.

One of the latest juvenile stories is of a little girl and boy, who had been cautioned, in their morning strife after hen's eggs, not to take away the nest egg ; but one morning the little girl reached the nest first, seized an egg and started for home. Her disappointed brother followed, crying, "Mother ! mother ! Susy's been and got the egg the old hen measures by !"

## PERSEVERANCE AND ACTION.

SHAKSPEARE.

Perseverance, dear my lord,  
Keeps honor bright. To have done, is to  
hang

Quite out of fashion, like a rusty mail  
In monumental mockery. Take the in-  
stant way —

For honor travels in a strait so narrow,  
Where one but goes abreast.

## ANSWER TO PROBLEM P.

15 eggs.

## ANSWER TO PROBLEM Q.

Pints. P. P.  
12 — 7 — 5

12 — 0 — 0  
7 — 0 — 5  
7 — 5 — 0  
2 — 5 — 5  
2 — 7 — 3  
9 — 0 — 3  
9 — 3 — 0  
4 — 3 — 5  
4 — 7 — 1  
11 — 0 — 1  
11 — 1 — 0  
6 — 1 — 5  
6 — 6 — 0

## ANSWER TO PROBLEM R.

2,304 and 1,296.

## ANSWER TO PROBLEM S.

4 feet from the surface; the two lights 16  
feet apart.

## ANSWER TO CHARADE.

Beetle.

## ANSWER TO ENIGMA.

A soft answer turneth away wrath.

## ANSWER TO BOUQUET OF FLOWERS.

1. Snowball; 2. Candy-tuft; 3. Sweet  
Pea; 4. Columbine; 5. Buttercup; 6.  
Prince's Feather; 7. Day Lily; 8. Hare-  
bell; 9. Jack-in-the-pulpit; 10. Moss  
Pink; 11. London Pride; 12. Spring  
Beauty; 13. Star of Bethlehem; 14. Ve-  
nus' Looking-glass.

## PROBLEM T.

Three numbers have the following ca-  
pacities: the 2d, divided by the 1st, has  
two quotients and 1 over; the 3d, divided  
by the 2d, has 3 quotients and 3 over; and  
the sum of all three is equal to 70. What  
are these numbers?

## PROBLEM U.

A fox, 90 rods due south of a greyhound,  
is pursued by the hound at the rate of 5  
rods to 4 of the fox, the fox running a due  
east course. How far will the hound run  
to overtake the fox?

## PROBLEM V.

Five persons have lost, together, \$40.62½.  
The loss of B is 50 cents more than three  
times that of A; the loss of C \$2 less than  
double the loss of B; D has lost 25 cents  
less than A and B together, and E twice as  
much as B, less 12½ cents. How much did  
each lose?

## PROBLEM W.

A man has a certain number of hogs,  
twice as many lambs as hogs, and three  
times as many sheep as lambs. Take ¼ of  
the number of hogs, and ½ of the number  
of lambs for a multiplier, ¼ of the number  
of lambs and 1-6 of the number of sheep  
for a multiplicand, and the product will be  
7128. Add the multiplier and the multi-  
plicand together, and the sum will be 174.  
How many are there of each?

## RIDDLE OF CHARLES II.

The following riddle occurs in Hearne's  
MS. Collections, 1706:

What's that in the Fire, and not in the  
Flame?

What's that in the Master, and not in the  
Dame?

What's that in the Courtier, and not in  
the Clown?

What's that in the Country, and not in  
the Town?

## AGRICULTURAL ENIGMA.

I am composed of 101 letters.

My 100, 26, 6, 82, 21, 56, 4, 24, 68, 7, is a  
variety of wheat.

My 46, 81, 24, 58, 95, 92, 49, 72, 39, 80, 37,  
is a parasitic animal that affects wheat.

My 58, 1, 40, 79, 101, 3, 15, 9, 14, 30, 44,  
76, 90, 50, 24, 11, is the name of a most  
destructive insect when stored among  
wheat or corn.

My 2, 51, 17, 55, 97, 14, 12, 57, 18, 45, 10,  
23, 41, 59, 70, is a variety of corn.

My 8, 28, 6, 53, 77, 60, 67, 93, 74, 9, 22, 6,  
44, 34, is a variety of oats.

My 46, 9, 63, 92, 5, 31, 33, 25, 62, 99, 88,  
42, 16, 98, 67, is a simple saline manure.

My 16, 85, 46, 71, 90, 22, 35, 14, 63, 79,  
91, 73, is a species of grass.

My 36, 94, 50, 27, 61, 52, 96, 48, 19, 76, 32,  
is a breed of cattle.

My 54, 75, 87, 42, 86, is a disease of the  
windpipe to which young cattle are sub-  
ject.

My 10, 84, 64, 69, 35, 22, 6, 13, 81, is an  
implement much in use among farmers.

My 20, 51, 38, 46, 43, 84, 32, are legumin-  
ous plants.

My 58, 47, 66, 88, 24, 36, 92, 29, 68, 18,  
37, is the "proper bone" in the foot of a  
horse.

My 32, 97, 65, 78, is often called the poor  
man's manure.

My 7, 83, 9, 21, 93, was a noted agricul-  
tural chemist.

My 89, 5, 16, 52, 1, 10, 26, 84, 42, is a  
phosphatic manure.

My whole — which was written about three  
thousand years ago — is proof that bad  
farmers are not the exclusive property  
of the Nineteenth Century.

## POPULATION OF THE UNITED STATES AND TERRITORIES,

In 1860, according to the Eighth Census. The States arranged in order, according to Free Population, — with the Square Miles of each State, — the number of Electors and Representatives of each State, — and Date of Admission to the Union.

STATES.	Square miles.	Electors.	Date of Admission to Union.	Free.	Slave.	Total.	Reps.
New York,	46,085	25	Original	3,887,542	..	3,887,542	31
Pennsylvania,	44,000	27	Original	2,906,370	..	2,906,370	23
Ohio,	39,964	23	1802	2,339,599	..	2,339,599	18
Illinois,	56,405	11	1818	1,711,753	..	1,711,753	13
Indiana,	33,809	13	1816	1,350,479	..	1,350,479	11
Massachusetts,	7,500	13	Original	1,231,065	..	1,231,065	10
Virginia,	64,000	15	Original	1,105,196	490,887	1,596,083	11
Missouri,	67,380	9	1821	1,058,352	114,965	1,173,317	9
Kentucky,	40,500	12	1792	930,223	225,490	1,155,713	8
Tennessee,	45,322	12	1796	824,063	275,784	1,109,847	8
Wisconsin,	53,924	5	1848	775,873	..	775,873	6
Michigan,	56,243	6	1836	749,112	..	749,112	6
Iowa,	50,914	4	1845	674,948	..	674,948	5
New Jersey,	8,320	7	Original	672,031	..	672,031	5
North Carolina,	43,800	10	Original	661,586	331,081	992,667	7
Maine,	32,628	8	1820	628,276	..	628,276	5
Georgia,	62,000	10	Original	595,097	468,230	1,063,327	7
Maryland,	13,959	8	Original	569,846	87,188	657,034	5
Alabama,	50,722	9	1819	529,164	435,132	964,296	6
Connecticut,	4,764	6	Original	460,151	..	460,151	4
Texas,	223,000	4	1845	420,651	180,388	601,039	4
California,	188,981	4	1850	380,015	..	380,015	3
Louisiana,	46,431	6	1812	376,913	332,520	709,433	5
Mississippi,	47,151	7	1817	354,699	436,696	791,395	5
New Hampshire,	9,411	5	Original	326,072	..	326,072	3
Arkansas,	52,198	4	1836	324,323	111,104	435,427	3
Vermont,	10,212	5	1791	315,116	..	315,116	2
South Carolina,	28,200	8	Original	301,271	402,541	703,812	4
Rhode Island,	1,340	4	Original	174,621	..	174,621	1
Minnesota,	83,000	4	1858	162,022	..	162,022	1
Delaware,	2,120	3	Original	110,420	1,798	112,218	1
Kansas,	..	..	1861	107,110	..	107,110	1
Florida,	53,786	3	1845	78,686	61,753	140,439	1
Oregon,	341,500	3	1859	52,464	..	52,464	1
Dist. of Columbia,	63	303	..	27,185,109	3,949,557	31,134,666	233
Territories.	..	..	..	71,895	3,181	75,076	..
New Mexico,	210,744	..	..	93,517	24	93,541	..
Utah,	188,000	..	..	40,266	29	40,295	..
Colorado,	100,000	..	..	34,197	..	34,197	..
Nebraska,	..	..	..	23,832	10	28,842	..
Washington,	..	..	..	11,578	..	11,578	..
Nevada,	..	..	..	6,857	..	6,857	..
Dakotah	..	..	..	4,839	..	4,839	..
<b>Total,</b>				<b>27,477,090</b>	<b>3,952,801</b>	<b>31,429,891</b>	

## POPULAR VOTE FOR PRESIDENT IN 1860.

(From the Tribune Almanac.)

STATES.	Rep. Lincoln.	Dem. Douglas.	Dem. Breck.	Union. Bell.	STATES.	Rep. Lincoln.	Dem. Douglas.	Dem. Breck.	Union. Bell.
Alabama,	..	13,651	48,831	27,875	Missouri,	17,028	58,801	31,317	58,372
Arkansas,	..	5,227	28,732	20,094	N. Hamp.,	37,519	25,881	2,112	441
California,	39,173	38,516	34,334	6,817	N. Jersey,	58,324	*62,801	..	..
Conn.,	43,792	15,522	14,641	*3,291	New York,	353,804	*303,329	..	..
Delaware,	3,815	1,023	7,337	3,564	North Car.,	..	2,701	48,539	44,990
Florida,	..	367	8,543	5,437	Ohio,	231,610	187,232	11,405	12,194
Georgia,	..	11,590	51,889	42,886	Oregon,	..	5,270	3,951	5,006
Illinois,	172,161	160,215	2,404	4,913	Pennsylv.,	268,030	16,765	*178,871	12,776
Indiana,	139,033	115,509	12,295	5,306	R. Island,	12,244	*7,707	..	..
Iowa,	70,400	55,111	1,048	1,763	South Car.,	Electors	chosen	by Legl. slat.	..
Kentucky,	..	25,651	53,143	66,058	Tennessee,	..	11,350	..	64,709
Louisiana,	..	7,625	22,681	20,204	Texas,	..	..	..	47,548
Maine,	62,811	26,693	6,368	2,046	Vermont,	33,808	6,849	218	1,969
Maryland,	2,294	5,966	42,482	41,760	Virginia,	1,929	16,290	74,323	74,681
Mass.,	106,533	34,372	5,939	22,331	Wisconsin,	86,110	65,021	888	161
Michigan,	88,480	65,057	805	405	<b>Total,</b>	<b>1,587,610</b>	<b>1,365,276</b>	<b>847,583</b>	<b>500,031</b>
Minnesota,	22,069	11,920	748	62	<b>Lincoln over Douglas, 491,634. * Fusion.</b>				
Mississippi,	..	3,283	40,797	25,040					



## TIDE TABLE.

The tides given in the Calendar pages are for the Port of Boston.

The following table contains the difference between the time of high water at Boston and several other places.

When the sign — is prefixed to the hours and minutes, in the table, the time must be subtracted from the Boston time; and when the sign + is prefixed, the time must be added to the Boston time.

	<i>h. m.</i>		<i>h. m.</i>		<i>h. m.</i>
Albany,	+ 4 12	Charleston,	— 4 15	New London,	— 2 36
Bay, Buzzard's,	— 3 50	Fryingpan Shoals,	— 5 00	Newport,	— 3 50
“ Narraganset,	— 3 53	Georgetown Bar,	— 4 30	Norfolk,	— 3 00
“ St. Mary's,	— 2 00	Harbor, Amelia,	— 3 00	Philadelphia,	+ 2 57
Bermuda Inlet,	— 4 30	Island, Block,	— 3 53	Plymouth,	0 00
Cape Ann,	0 00	“ Pr. Edward,	— 1 00	Portland,	— 0 45
“ Charles,	— 2 45	“ Rhode,	— 4 45	Port Campbell,	— 2 30
“ Cod,	0 00	Marblehead,	0 00	Port Jackson,	— 3 30
“ Fear,	— 3 30	New Bedford,	— 3 53	Providence,	— 3 5
“ Henry,	— 3 50	Newburyport,	— 0 15	St. Salvador,	+ 4 15
“ St. Mary,	— 2 30	New Haven,	— 1 14	Sandy Hook,	— 4 53

THE RAILWAYS OF THE WORLD.—It is estimated that there were, in 1862, completed and in operation throughout the world 70,000 miles of railway, which cost the sum of \$5,850,000,000. The extent of railway known to be in operation, from actual returns, according to the London *Engineer*, is as follows:

	Miles open.		Miles open.
England and Wales,	7583	New Brunswick,	176
Scotland,	1486	Nova Scotia,	99
Ireland,	1364	Victoria,	183
India,	1403	New South Wales,	125
Canada,	1826	Cape of Good Hope,	23

Total, Great Britain and Colonies,.....14,277

## Continental Railways.

France,	6147	Norway,	63
Prussia,	3162	Sweden,	288
Austria,	3165	Belgium,	655
Other German States,	3239	Holland,	303
Spain,	1450	Switzerland,	600
Italy,	1350	Portugal,	80
Rome,	50	Turkey,	80
Russia,	1289½	Egypt,	204
Denmark,	262		
Total,			22,692½

## North and South America,

Exclusive of British America, the railways of which are included with Great Britain and Colonies.

United States,	22384½	Brazil,	111½
Confederate States,	8784	Paraguay,	8
Mexico,	20	Chili,	195
Cuba,	500	Peru,	50
New Grenada,	49½		
Total,			32,102½

Grand total of all the railways in the world,.....69,072

It will be seen that the United States possess the most extensive system of railways of any country in the world. This method of intercommunication has been developed with extraordinary rapidity in the United States, and although temporarily checked by the civil war, will, when the rebellion is crushed, be even more rapidly extended than in the past.

AREA OF THE AMERICAN LAKES.—The late government survey of the great lakes gives the following exact measurements: *Lake Superior*—greatest length, 355 miles; greatest breadth, 160 miles; mean depth, 983 feet; height above the sea, 627 feet; area, 32,000 square miles. *Lake Michigan*—greatest length, 360 miles; greatest breadth, 108 miles; mean depth, 900 feet; height above the sea, 587 feet; area, 20,000 miles. *Lake Huron*—greatest length, 200 miles; greatest width, 160 miles; mean depth, 300 feet; height above the sea, 574 feet; area, 20,000 miles. *Lake Erie*—greatest length, 250 miles; greatest breadth, 80 miles; mean depth, 200 feet; height above the sea, 555 feet; area, 6,000 miles. *Lake Ontario*—length, 180 miles; mean breadth, 65 miles; mean depth, 500 feet; height above the sea, 262 feet; area, 6,000 square miles. Total length of five lakes, 1,345 miles; total area, 84,000 square miles.

## POST-OFFICE REGULATIONS. (1863.)

### ABSTRACT OF THE NEW POSTAL LAW (JUNE 30, 1863.)

THERE are but three classes of mailable matters, namely, *letters, regular or periodical printed matter, and miscellaneous matter.*

The *first class* embraces correspondence, wholly or partly in writing, except that mentioned in the third class.

The *second class* embraces all mailable matter exclusively in print, and issued at stated periods, without addition by writing, mark, or sign.

The *third class* embraces all other matter declared mailable, such as *pamphlets, occasional publications, books, book manuscripts, proof-sheets, maps, prints, engravings, blanks, flexible patterns, samples and sample cards, phonographic paper, letter envelopes, postal envelopes or wrappers, cards, paper photographic representations of seeds, cuttings, bulbs, roots and scions.*

**Letters.**—The maximum standard weight for the single rate of letter postage is one half ounce avoirdupois. The rate of postage on all domestic letters not exceeding one half oz. shall be uniform at three cents; and for each half oz., or fractional thereof, of additional weight, an additional rate of three cents, to be in all cases prepaid by postage stamps. **DROP or LOCAL LETTERS,** two cents per half oz., prepaid by stamps; and no further fee can be charged for delivery, or for taking from street boxes to the mails. **IRREGULAR MATTER.**—Letter rates are to be charged on irregular matter, part writing and part print, except that publishers may send and receive proof-sheets and advise patrons, by writing on papers, when their subscription is up, at printed matter rates. On unclassified matter, where no specific rate is set down, letter postage is charged. When mail matter that should be prepaid goes forward unpaid, double rates are charged at the delivery office. **SOLDIERS' AND SAILORS' LETTERS** are exempt from this extra charge, and may go unpaid. On returned **DEAD LETTERS,** if valuable, double rates to be paid; if not valuable, three cents only. Foreign dead letters subject to conventional stipulations with the respective governments. Letters not finding owners at the office named must be forwarded, when the place is known, with extra charge. The Postmaster General may pay not more than two cents for carrying letters in vessels not carrying mails, such letters to be put in post-office on arrival in port; if for local delivery, another two cents should be affixed. No fees are allowed for letters collected by a carrier on a mail route.

**Newspapers, Magazines, &c.**—Newspaper, or second class postage, is, for papers not over four ounces each, per quarter, once a week, 5 cts.; twice, 10 cts.; three times, 15 cts.; six times, 30 cts.; seven times, 35 cts., and so on, adding one rate for each issue more than once per week, to be prepaid for not less than three months nor more than a year, at the office of reception. Publishers of weekly newspapers may send within their county free. On magazines issued less often than once a week, one cent for four ounces to regular subscribers. Special bargains may be made by the Postmaster General for transporting packages of newspapers, &c. Publishers must be notified when papers are not taken out for one month, which notice may be sent free. **BILLS AND RECEIPTS** for subscriptions may be enclosed in papers and go free; any other written enclosure imposes letter postage. Publishers may exchange papers free, not exceeding sixteen ounces in weight.

**Maximum Weight—Books.**—The maximum weight for single postage on printed matter is four ounces, and the same for miscellaneous or third class matter; and the postage on such is two cents, always prepaid by stamps. Double these rates for books. Three unsealed circulars, two cents; two cents for each additional three, prepaid. No charge for cards or advertisements stamped or printed on envelopes.

**Franking.**—Franking is restricted to the president, his private secretary, the vice-president, heads of executive departments, heads of bureaus and chief clerks, to be designated by the Postmaster General, senators and representatives, secretary of senate and clerk of house—but this only to cover matter sent to them, and that dispatched in the way of business, except documents issued by Congress. **DOCUMENTS** from officers to their several departments, marked official, also go free; also **PETITIONS** to Congress. The weight of franked matter must not exceed four ounces per package, save Congress books, &c.

**Registry System.**—This remains as worthless as ever. The government will take any sum, not more than twenty cents, for registering a letter, but will be in no way responsible for loss or miscarriage.

The business of local delivery and collection of letters is to be regulated by the Postmaster General; but carriers are to be paid a salary and give bonds. The Postmaster General may establish branch post-offices and letter-boxes in cities; all accounts for local business to be kept separate. Contracts may be made with publishers for delivery, by local carriers, of papers, &c., coming through the mails. The Postmaster General may also provide for the delivery of small packets, other than letters and papers, if prepaid (for delivery) at the rate of two cents for each four ounces. No package weighing over four pounds shall go through the mail, except books circulated by order of Congress. Postage must be prepaid by stamps on domestic letters, whether for mail or local delivery, on transient printed matter, and everything else, save newspapers arranged for by the quarter or other period.

## NEW ENGLAND AND NEW ENGLANDERS.

WASHINGTON'S OPINION OF NEW ENGLAND SOLDIERS.—At the present time, when so much discussion is going on as to the relative merits of the Northern and Southern soldiery, as well as of those from the different sections of the North, we have thought that it might be of some interest to our readers to learn the estimate in which the troops of New England were held by the Father of his Country. For this reason we have copied the following extract from a letter written by Gen. Washington to Mr. Lund Washington, dated New York, July 22, 1776:

"We have lately had a general review, and I have much pleasure in informing you that we made a better appearance, and went through our exercises more like soldiers, than I had expected. The Southern States are rash and blamable in the judgment they generally form of their brethren of the four New England States. I do assure you, with all my partiality for my own countrymen, and prejudice against *them*, I cannot but consider them *the flower of the American Army*. They are a strong, vigorous, and hardy people, inured to labor and toil, which our people seldom are. And though our hot and eager spirits may, perhaps, suit better in a sudden and desperate enterprise, yet, in the way in which wars are now carried on, you must look for permanent advantages only from that patient and persevering temper which is the result of a life of labor. The New Englanders are cool, considerate and sensible, whilst we are all fire and fury. Like their climate, they maintain an equal temperature, whereas we cannot shine but we burn. They have a uniformity and stability of character, to which the people of no other States have any pretensions; hence they must and will always preserve their influence in this great empire.

"Were it not for the drawbacks which the influence of their popular opinions on the subject of government have on their army, they soon might, and probably would, give law to it."

A more keenly perceptive and truthful comparison of Northern and Southern character never was drawn, and it is a comparison which holds good to this day.

NEW ENGLAND THEN AND NOW.—Those at the North who, in obedience to the suggestion of Gen. Beauregard, cry out against the "abolitionists" of Massachusetts and the other New England States, conceal the fact that those States have furnished most readily more than their full quota of soldiers in this war.

The men of New England were the first to rush to the defence of the capital when it was threatened by rebels and traitors. They are true to their traditions, for they were foremost, too, in that war which gained our liberties and Union. Those who sneer at New England will do well to look a little at her record in the Revolutionary war. The whole number of men enlisted in the Continental service, from the beginning to the close of that war, was 231,959. Of these, Lorenzo Sabine says, in the historical essay prefixed to his "American Loyalists," that 67,907 were from Massachusetts; and all the States south of Pennsylvania provided but 59,493, or 8414 less than the gallant Bay State alone. New England equipped and maintained 118,350 men—more than one-half the total number placed at the service of Congress during the war. The great State of Virginia sent to the war but 752 more men than little Rhode Island; she sent "only a fifth of the number contributed by Connecticut; only one half as many as New Hampshire, then an almost unbroken wilderness."

LEAVING NEW ENGLAND OUT.—The Chicago *Times* having proposed to enter upon the discussion of the question whether it would not be best to have a Union leaving New England out, the Louisville *Journal* asks: "Would n't that question have been an interesting one in the Revolutionary war? How would the proposition have sounded to exclude New England privateers and New England sailors and New England soldiers from the last war with Great Britain?"

THE REPRESENTATION OF NEW ENGLAND IN THE SENATE.—It is not true that the six New England States have been especially favored in Senatorial representation. True they are small in territorial area, but they average a much larger population than the eleven Confederate States. By the census of 1860, the combined white population of the former was 3,110,692, averaging 518,448 to each State; while the combined white population of the latter, including Virginia undivided, was 4,449,463, averaging only 404,496 to each State. Yet the former had 12 Senators at Washington, the latter 22. Rhode Island, the smallest of the New England States in population, showed more than twice the white population of Florida; Vermont, the next smallest, 23,000 more than South Carolina; and Massachusetts, the largest, showed 164,000 more than Virginia, the largest Southern State, and 88,000 more than Mississippi, Louisiana and Texas combined. In the face of such figures, the pretence, by Southern men and Southern sympathizers, that New England has an undue advantage in the Senate, is the extreme of absurdity. New England actually sustains as much disadvantage, relatively to the Southern States, from the State equality representation in the Senate, as from the three-fifths slave representation in the House and Electoral College.

## LIST OF STATE AND COUNTY AGRICULTURAL SOCIETIES

In New England, with the Name and Address of the Secretaries, 1863.

## MAINE.

State Board of Ag., S. L. Goodale, Saco.  
 State Society, E. Holmes, Winthrop.  
 Androscoggin, W. E. Wright, Lewiston.  
 Cumberland, John Sawyer, Raymond.  
 East Somerset, William Folsom, Hartland.  
 Franklin, Warren Weekes, Farmington.  
 Hancock, A. M. Glidden, Kilsworth.  
 Kennebec, D. Cargill, Winthrop.  
 Lincoln, William S. Brown.  
 North Arrostook, Joel Bean, Presque Isle.  
 North Franklin, J. M. Kempton.  
 North Kennebec, J. Percival, Waterville.  
 North Penobscot, J. S. Patten, Springfield.  
 North Somerset, W. H. Russell, Bingham.  
 Oxford, Elliot Smith, Norway.  
 Penobscot and Arrostook Union, L. Rogers, Patten.  
 Piscataquis Central, E. B. Averill, Dover.  
 Sagadahoc, John H. Thompson, Topsham.  
 Somerset Central, Isaac Dyer, Skowhegan.  
 Waldo, Timothy Thorndike, Belfast.  
 Washington, William D. Dana, Perry.  
 West Oxford, G. B. Barrows, Fryeburg.  
 West Penobscot, T. P. Batchelder, Kenduskeag.  
 West Somerset, A. Moore, North Anson.

## NEW HAMPSHIRE.

State Society, Aaron Young, Dover.  
 Rockingham, William Crawford, Sandown.  
 Merrimac, Jonathan E. Lang, Concord.  
 Cheshire, Calvin May, Jr., Keene.  
 Grafton, D. H. Ward, Rumney.  
 Sullivan, D. W. Blodgett, Claremont.  
 Belknap, O. A. J. Vaughan, Laconia.  
 Hillsborough North, J. F. Chase, Deering.  
 Hillsborough South, H. A. Daniels, Milford.  
 Souhegan, M. Kimball, Mason Village.  
 Connecticut River Valley, Alexander McLaue, Fairlee, Vt.

## VERMONT.

State Society, C. Cummings, Brattleboro'.  
 Franklin, Edward A. Towles, St. Albans.  
 Chittenden, Jeremiah French, Burlington.  
 Addison, I. Cobb, Middlebury.  
 Rutland, Henry Clark, Poultney.  
 Bennington, Eugene Canfield, Arlington.  
 Windsor, Lorenzo Kent, Woodstock.  
 Washington, C. J. Gleason, Montpelier.  
 Union, William S. Rublee, E. Berkshire.  
 Caledonia, E. C. Redington, St. Johnsbury.

## MASSACHUSETTS.

State Board of Ag., Chas. L. Flint, Boston.  
 Massachusetts Society for the Promotion  
 of Agriculture, P. C. Brooks, Jr., Boston.  
 Essex, Chas. P. Preston, Danvers.  
 Middlesex, Jno. B. Moore, Concord.  
 Middlesex South, Jas. W. Brown, Fram-  
 ingham.  
 Middlesex North, W. F. Salmon, Lowell.  
 Worcester, Jno. D. Wasburn, Worcester.  
 Worcester West, Chas. Brimblecom, Barre.  
 Worcester North, William G. Wyman,  
 Fitchburg.  
 Worcester South, David Wight, Sturbridge.  
 Worcester South East, J. Geo. Metcalf,  
 Mendon.  
 Hampshire Franklin and Hampden, H. K.  
 Starkweather, Northampton.  
 Hampshire, A. P. Howe, Amherst.  
 Highland, Jona. McElwain, Middlefield.  
 Hampden, J. N. Bagg, West Springfield.  
 Hampden East, Daniel Granger, Palmer.  
 Franklin, Jas. S. Grennell, Greenfield.  
 Berkshire, Jno. E. Merrill, Pittsfield.  
 Housatonic, Samuel B. Sumner, Great  
 Barrington.  
 Hoosac Valley, W. W. Gallup, N. Adams.  
 Norfolk, H. O. Hildreth, Dedham.  
 Bristol, Lemuel T. Talbot, Taunton.  
 Plymouth, W. Latham, Bridgewater.  
 Barnstable, S. B. Phinney, Barnstable.  
 Nantucket, Jas. M. Bunker, Nantucket.  
 Martha's Vineyard, D. A. Cleaveland, Ed-  
 gartown.

## RHODE ISLAND.

State Society, W. R. Staples, Providence.  
 Aquidneck, George Brown, Newport.

## CONNECTICUT.

State Agricultural Soc., Henry A. Dyer,  
 Hartford.  
 Hartford, F. A. Brown, Hartford.  
 New Haven, W. Webb, New Haven.  
 New London, H. L. Read, Jewett City.  
 Fairfield, John H. Sherwood, Southport.  
 Windham, Dr. J. B. Whitcomb, Brooklyn.  
 Litchfield, Wm. Humphrey, Jr., Litchfield.  
 Middlesex, D. Barnes, Middletown.  
 Tolland, E. E. Marvin, Rockville.  
 Greenwoods, Hiram Perkins, Winsted.  
 Woodbridge and Bethany, Minot Augur,  
 Woodbridge.

## STATE BOARD OF AGRICULTURE,

1864.

Term expires.

Term expires.

## MEMBERS EX OFFICIO.

His Excellency the Governor.  
 His Honor the Lieutenant Governor.  
 The Secretary of the Commonwealth.

## APPOINTED BY THE GOV. AND COUNCIL.

Marshall P. Wilder, of Dorchester, 1864  
 Paoli Lathrop, of South Hadley, 1865  
 Ephraim W. Bull, of Concord, 1866

## CHOSEN BY THE COUNTY SOCIETIES.

<i>Mass.</i> , T. Motley, Jr., Ja. Plain, 1865	<i>Highland</i> , Mat. Smith, Middlefield, 1866
<i>Essex</i> , Geo. B. Loring, Salem, 1866	<i>Hampden</i> , Ph. Stedman, Chicopee, 1864
<i>Middlesex</i> , John B. Moore, Concord, 1864	<i>Hampd. E.</i> , Sher. Converse, Monson, 1864
<i>Middle. N.</i> , Asa Clement, Dracut, 1865	<i>Franklin</i> , E. W. Stebbins, Deerfield, 1865
<i>Middle. S.</i> , Elias Grout, Ashland, 1866	<i>Berkshire</i> , Henry Colt, Pittsfield, 1864
<i>Worcester</i> , John Brooks, Princeton, 1866	<i>Hoosac Val.</i> , J. White, Williamstown, 1864
<i>Worces. W.</i> , Hollis Tidd, N. Braintree, 1866	<i>Housatonic</i> , S. H. Bushnell, Sheffield, 1864
<i>Worces. N.</i> , A. F. Adams, Fitchburg, 1866	<i>Norfolk</i> , Chs. C. Sewall, Medfield, 1865
<i>Worces. S.</i> , S. Hartwell, Southbridge, 1865	<i>Bristol</i> , Sam. L. Crocker, Taunton, 1866
<i>Worc. S. E.</i> , Henry Chapin, Milford, 1864	<i>Plymouth</i> , Chs. G. Davis, Plymouth, 1866
<i>Hampshire</i> , M. Stebbins, S. Deerfield, 1864	<i>Barnstable</i> , S. B. Phinney, Barnstable, 1865
<i>Frank. and</i>	<i>Nantucket</i> , J. Thompson, Nantucket, 1866
<i>Hampden,</i>	<i>Mar. Viney.</i> , Dan. A. Cleaveland, Tis- bury, 1865
<i>Hampshire,</i>	
L. Stockbridge, Hadley, 1865	



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